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# PANASONIC CT-24SX12 OPERATING INSTRUCTIONS MANUAL

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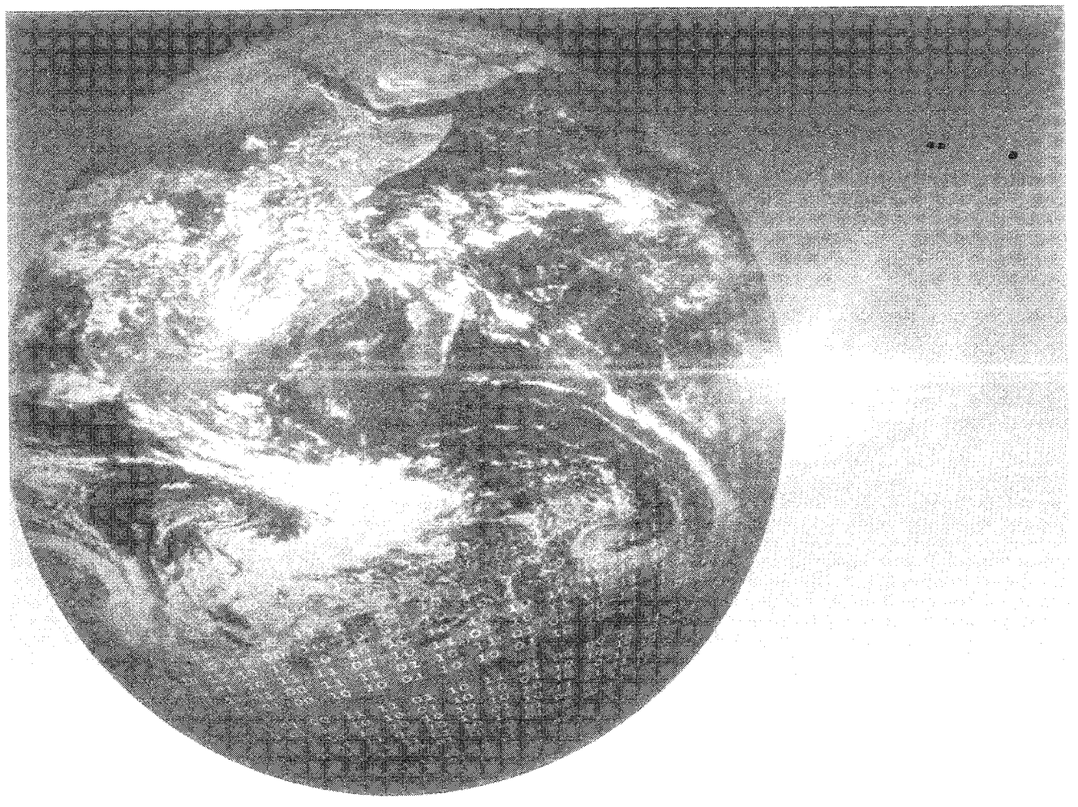
# Panasonic®

## Color Television
## Operating Instructions

CT-24SX12 CT-27SX12



For assistance, please call: 1-800-211-PANA (7262) or
send e-mail to: consumerproducts@panasonic.com (USA only)

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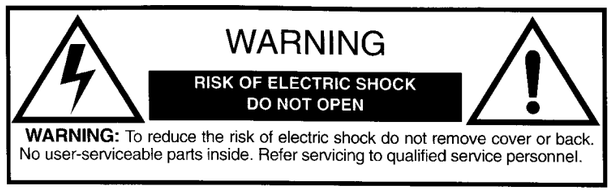
WARNING
RISK OF ELECTRIC SHOCK
DO NOT OPEN
WARNING: To reduce the risk of electric shock do not remove cover or back.
No user-serviceable parts inside. Refer servicing to qualified service personnel.

The lightning flash with arrow head within a triangle is intended to tell the user that parts inside the product are a risk of electric shock to persons.

The exclamation point within a triangle is intended to tell the user that important operating and servicing instructions are in the papers with the appliance.

**WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.**

**FCC CAUTION: ANY CHANGES OR MODIFICATIONS TO THIS TV RECEIVER NOT EXPRESSLY APPROVED BY MATSUSHITA ELECTRIC CORPORATION OF AMERICA COULD CAUSE HARMFUL INTERFERENCE, WHICH WOULD VOID THE USER'S AUTHORITY TO OPERATE THIS EQUIPMENT.**

**ENVIRONMENTAL NOTICE: THIS PRODUCT UTILIZES BOTH A CATHODE RAY TUBE (CRT) AND OTHER COMPONENTS THAT CONTAIN LEAD. DISPOSAL OF THESE MATERIALS MAY BE REGULATED IN YOUR COMMUNITY DUE TO ENVIRONMENTAL CONSIDERATIONS. FOR DISPOSAL OR RECYCLING INFORMATION PLEASE CONTACT YOUR LOCAL AUTHORITIES, OR THE ELECTRONICS INDUSTRIES ALLIANCE: <HTTP://WWW.EIAE.ORG.>**



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**Read these instructions completely before operating television.**

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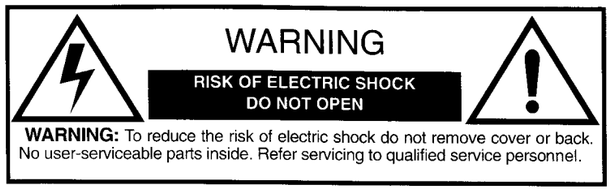
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# Congratulations

Your new Panasonic Tau television is designed to provide state-of-the-art picture quality and features an innovative pure flat picture tube. The new dolphin gray cabinet with compact, elegant styling is designed to give you many years of enjoyment. It was thoroughly tested and tuned at the factory for best performance.

## Customer Record

The model and serial number of this product are located on the back of the television. You should note the model and serial number in the space provided and retain as a permanent record of your purchase. This will aid in identification in the event of theft or loss. Product registration for U.S. customers is available at **www.prodreg.com/panasonic**.

Model Number

Serial Number

## Care and Cleaning

### Screen (Turn TV Off)

- Use a mild soap solution or window cleaner with a soft clean cloth. DO NOT USE ABRASIVE CLEANERS.
- Avoid excessive moisture and wipe dry.

***Note:*** *Do not spray any type of cleaning fluid directly on the screen.*

### Cabinet and Remote Control

- ❒ For cabinets and remote control, use a soft cloth dampened with water or a mild detergent solution. Avoid excessive moisture and wipe dry.
- ❒ Do not use benzene, thinner or other petroleum based products.

## Specifications

| | |
|---|---|
| **Power Source**<br>**CT-24SX12 (2.2 A)**<br>**CT-24SX12U (2.2 A)**<br>**CT-27SX12 (2.4 A)**<br>**CT-27SX12U (2.4 A)** | 120V AC, 60Hz |
| **Channel Capability - 181** | VHF-12; UHF-56; Cable-113 |
| **Video Input Jacks** | 1Vp-p, 75 Ohm, Phono Jack Type |
| **Audio Input Jacks** | 500mV RMS 47K Ohm |
| **Audio Output Jacks** | 0-2.0V RMS 4.7K Ohm |
| **Component input ($Y / P_B / P_R$)** | 75 Ohms, Phono Jack Type |
| **S-Video Input Jacks** | S-Video (Y-C) Connector |

Specifications are subject to change without notice or obligation.





# Installation

## Television Location

Follow these recommendations before deciding the location of your television.

- ❒ Avoid excessive sunlight or bright lights, including reflections.
- ❒ Keep away from excessive heat or moisture. Inadequate ventilation may cause internal component failure.
- ❒ Fluorescent lighting may reduce remote control transmitting range.
- ❒ Keep away from magnetic equipment, including motors, fans and external speakers.

**CAUTION:** Use this television receiver only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. In order to avoid injury to children, never place your television receiver on a piece of furniture that is capable of being tilted by a child leaning on it, pulling on it, standing on it, or climbing on it.

CT-27SX12:

**CAUTION: This television receiver for use only with PANASONIC TY-27SX31P stand. Use with other carts (or stands) is capable of resulting in instability causing possible injury.**

CT-27SX12U:

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## Optional Cable Connections

Shielded audio and video cables should be used between components. For best results:

- ❒ Use 75-ohm coaxial shielded cables.
- ❒ Use appropriate input and output connectors that match your component connectors.
- ❒ Avoid long cables to minimize interference.

## AC Power Supply Cord

**CAUTION:** TO PREVENT ELECTRIC SHOCK MATCH WIDE BLADE OF PLUG TO WIDE SLOT OF AC OUTLET AND FULLY INSERT. DO NOT USE A PLUG WITH A RECEPTACLE OR OTHER OUTLET UNLESS THE BLADE CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

Polarized plug

PROTECT POWER CORDS FROM BEING WALKED ON, ROLLED OVER, CRIMPED, BENT OR PINCHED, PARTICULARLY AT PLUGS, CONVENIENCE RECEPTACLES, AND THE POINT WHERE THEY EXIT FROM THE APPARATUS.

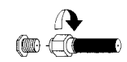
## Cable / Antenna Connection

For proper reception, either a cable or antenna connection is required.

### Cable Connection

Connect the cable supplied by your local cable company.

**Incoming Cable from Cable Company**



75 Ohm VHF/UHF on back of TV

***Note:*** *A cable converter box may be required for proper reception. Check with your local cable company for compatibility requirements.*

### Antenna Connection

- For proper reception of VHF/UHF channels, an external antenna is required. For best reception, an outdoor antenna is recommended.

***Note:*** *Cable Mode is preset at the factory. Antenna users must change to TV mode in the Set Up Menu under Prog Chan.*

**Incoming Cable from Home Antenna**

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Polarized plug

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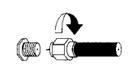
**Incoming Cable from Cable Company**



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**Incoming Cable from Home Antenna**

## Feature Chart

| | MODELS | CT-24SX12 | CT-27SX12 |
|---|---|---|---|
| | **Features** | | |
| SPECIAL FETURES | MENU LANGUAGE (ENG/SPAN/FR) | ❒ | ❒ |
| | VIDEO INPUT MEMORY | ❒ | ❒ |
| | CHANNEL INFO BANNER | ❒ | ❒ |
| | VIDEO INPUT SKIP | ❒ | ❒ |
| | 75 OHM INPUT | ❒ | ❒ |
| | V-CHIP CAPABILITY | ❒ | ❒ |
| | CLOSED CAPTIONING | ❒ | ❒ |
| | VIDEO NORM | ❒ | ❒ |
| AUDIO | AUDIO NORM | ❒ | ❒ |
| | STEREO | ❒ | ❒ |
| | BASS/TREBLE/BALANCE | ❒ | ❒ |
| | SURROUND | ❒ | ❒ |
| | AI SOUND | ❒ | ❒ |
| | BBE | ❒ | ❒ |
| | NUMBER OF SPEAKERS | 2 | 2 |
| A/V JACKS | A/V IN (REAR/FRONT) | 3 (2/1) | 3 (2/1) |
| | AUDIO OUT | ❒ | ❒ |
| | S-VIDEO INPUT (REAR/FRONT) | 2 (1/1) | 2 (1/1) |
| | COMPONENT VIDEO INPUT (REAR/FRONT) | 1 (1/0) | 1 (1/0) |
| | HEADPHONE JACK | ❒ | ❒ |

**IMPORTANT INFORMATION REGARDING THE USE OF VIDEO GAMES, COMPUTERS, OR OTHER FIXED IMAGE DISPLAYS.**

**WARNING: The marking or retained image on the picture tube resulting from viewing fixed image is not an operating defect and as such is not covered by Warranty.**

This television is designed to display constantly moving images on the screen. Continuous viewing of stationary images such as letterbox pictures on standard screen TVs (with top/bottom bars), non-expanded standard (4:3) pictures on wide screen TVs (with side bars shown on each side of an image), stock market report bars (ticker running at the bottom of the screen), video game patterns, fixed scoreboards, bright station logos, on-line (Internet) or repetitive computer style patterns should be limited.

The extended use of fixed image program material can cause a permanent picture tube damage, shown as a "shadow image" viewable on normal programs. This type of irreversible picture tube deterioration can be limited by performing the following steps:

- Do not display the fixed image for extended periods of time.
- Turn the power off when not in use.

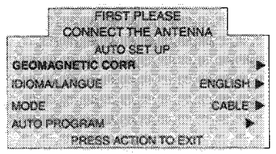




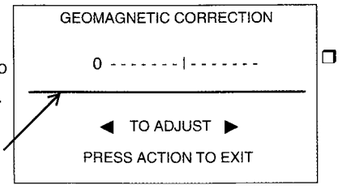
## Auto Set Up Menu

For your convenience, Auto Set up menu will be displayed on screen when the set is turned on for the first time. If needed, follow the menus and procedures for setting up the features.

❒ GEOMAGNETIC CORR - This feature is used to adjust the tilt of the picture due to earth's magnetic field in the area.

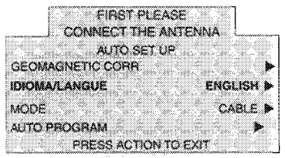



❒ Press VOL▶ to display sub-menu.



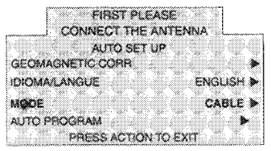

❒ Press ◀VOL or VOL▶ to adjust the tilt adjustment bar until it is parallel to the bottom of the picture frame.

❒ IDIOMA/LANGUE - To change menu language to ENGLISH, SPANISH or FRENCH.



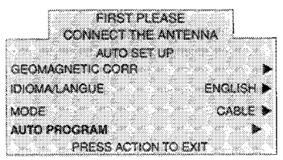

❒ Press VOL▶ to select English, Spanish or French.

❒ MODE - To select TV (antenna) or CABLE mode depending on the signal source.




❒ Press VOL▶ to select TV or CABLE.

❒ AUTO PROGRAM - To automatically program all channels with a signal.




❒ Press VOL▶ to start Auto Programming.

## Feature Chart

| | MODELS | CT-24SX12 | CT-27SX12 |
|---|---|---|---|
| | **Features** | | |
| SPECIAL FETURES | MENU LANGUAGE (ENG/SPAN/FR) | ❒ | ❒ |
| | VIDEO INPUT MEMORY | ❒ | ❒ |
| | CHANNEL INFO BANNER | ❒ | ❒ |
| | VIDEO INPUT SKIP | ❒ | ❒ |
| | 75 OHM INPUT | ❒ | ❒ |
| | V-CHIP CAPABILITY | ❒ | ❒ |
| | CLOSED CAPTIONING | ❒ | ❒ |
| | VIDEO NORM | ❒ | ❒ |
| AUDIO | AUDIO NORM | ❒ | ❒ |
| | STEREO | ❒ | ❒ |
| | BASS/TREBLE/BALANCE | ❒ | ❒ |
| | SURROUND | ❒ | ❒ |
| | AI SOUND | ❒ | ❒ |
| | BBE | ❒ | ❒ |
| | NUMBER OF SPEAKERS | 2 | 2 |
| A/V JACKS | A/V IN (REAR/FRONT) | 3 (2/1) | 3 (2/1) |
| | AUDIO OUT | ❒ | ❒ |
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| | HEADPHONE JACK | ❒ | ❒ |

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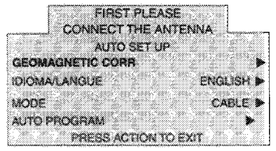
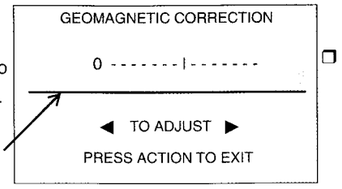
❒ GEOMAGNETIC CORR - This feature is used to adjust the tilt of the picture due to earth's magnetic field in the area.

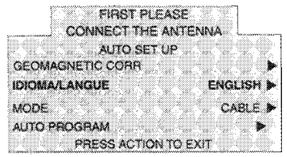



❒ Press VOL▶ to display sub-menu.



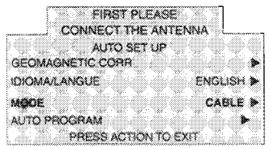

❒ Press ◀VOL or VOL▶ to adjust the tilt adjustment bar until it is parallel to the bottom of the picture frame.

❒ IDIOMA/LANGUE - To change menu language to ENGLISH, SPANISH or FRENCH.



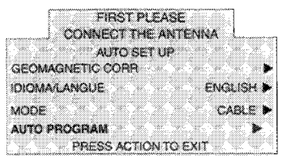

❒ Press VOL▶ to select English, Spanish or French.

❒ MODE - To select TV (antenna) or CABLE mode depending on the signal source.




❒ Press VOL▶ to select TV or CABLE.

❒ AUTO PROGRAM - To automatically program all channels with a signal.



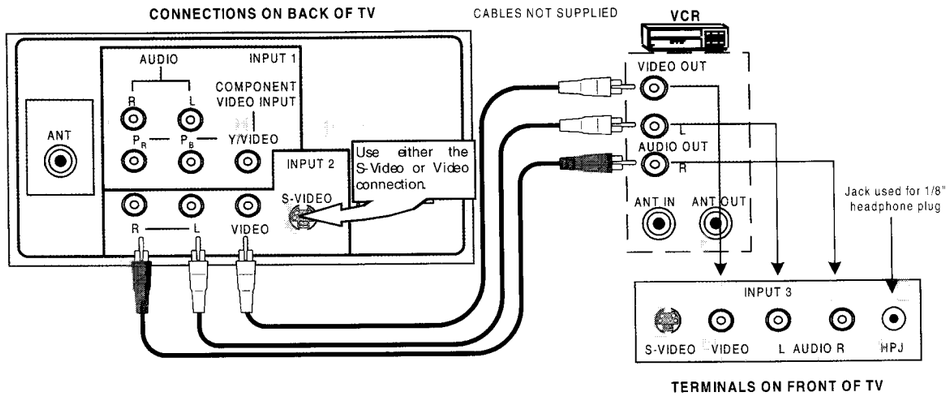

❒ Press VOL▶ to start Auto Programming.

# Optional Equipment Connections

## VCR Connection

VCRs, video disc players, video game equipment, and DSS equipment can also be connected to the video inputs. See the optional equipment manual for more information.

*INPUT 1 is a dual-purpose input. It is primarily intended for connection with 480i devices such as a DVD player using the Y $P_B$ $P_R$ component video jacks and Audio L & R jacks. However, it can also be connected to conventional composite video sources such as a VCR, using only the Y/Video jack and Audio L & R jacks. The on-screen label will display Component or Video 1 depending on which source is connected.*




**Procedure**

1. Connect equipment as shown to front or rear Audio/Video input jacks.
2. Select the Video mode by pressing **TV/VIDEO** button.
3. Operate optional equipment as instructed in equipment manual.

## Front Control Panel

Use the front panel of the television to use the TV without remote or to use the Audio/Video input jacks for optional equipment.

**TV/VIDEO**

Press ⬭ to select VIDEO input mode.

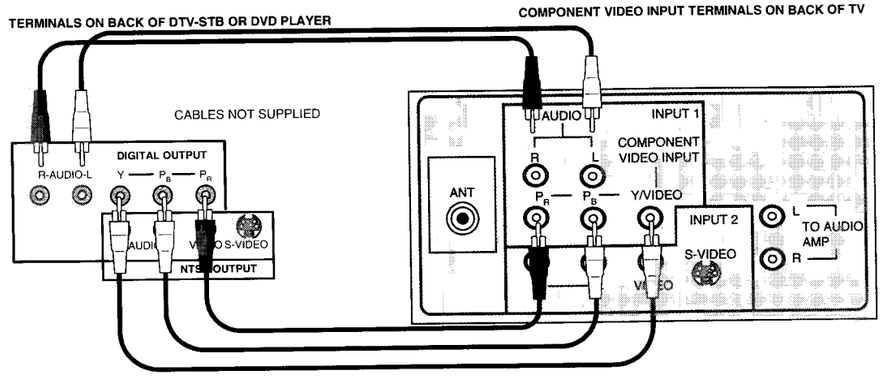
***Note:*** *The front control panel can be used to access menus and switch video mode when the remote control is not available.*





## Digital TV - Set-Top Box (DTV-STB) or DVD Player Connection

Use this diagram to connect the Panasonic DTV-STB (Digital TV-Set-Top Box) to the back of your TV.




- ❒ There are three video inputs, Y, $P_B$, and $P_R$. Separate component color inputs provide luminance and color separation. Use the L (left) and R (right) audio inputs.
- ❒ Select DTV-STB to **480i** output mode. TV set can receive **480i** signal only.

## Amplifier Connection (TO AUDIO AMP)

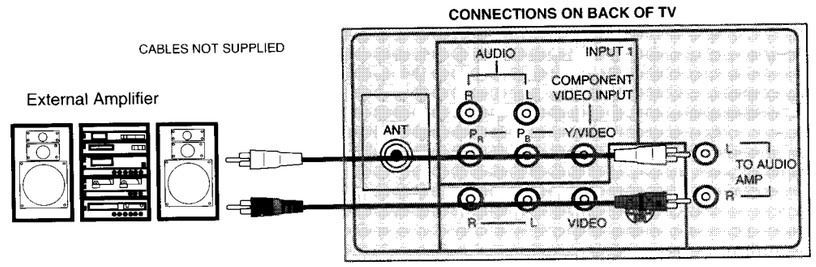
Connect to an external audio amplifier input for listening to a stereo system.

***Note:*** *TO AUDIO AMP terminals cannot be connected directly to external speakers.*

**Audio Adjustments**

1. Select TV SPEAKERS ON from AUDIO menu.
2. Set amplifier volume to minimum.
3. Adjust TV volume to desired level.
4. Adjust amplifier volume to match the TV.
5. Select TV SPEAKERS OFF&VAO from AUDIO menu.
6. Volume, mute, bass, treble and balance are now controlled from the TV.

***Note:*** *In OFF&FAO the volume is controlled by the external amplifier.*

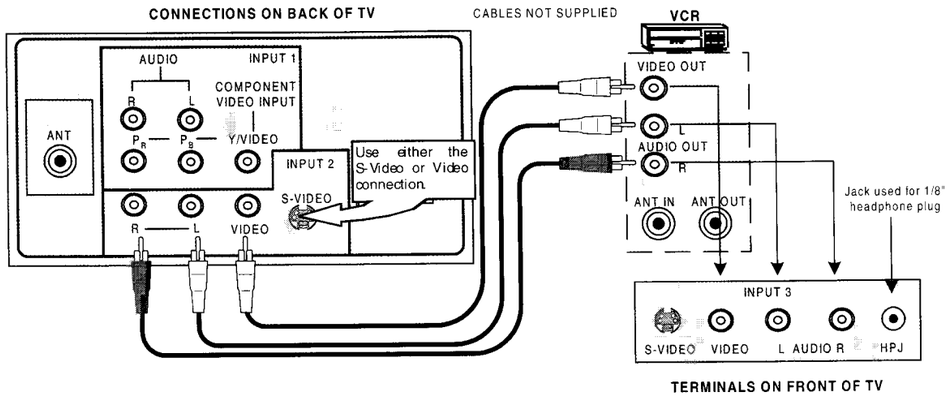


# Optional Equipment Connections

## VCR Connection

VCRs, video disc players, video game equipment, and DSS equipment can also be connected to the video inputs. See the optional equipment manual for more information.

*INPUT 1 is a dual-purpose input. It is primarily intended for connection with 480i devices such as a DVD player using the Y $P_B$ $P_R$ component video jacks and Audio L & R jacks. However, it can also be connected to conventional composite video sources such as a VCR, using only the Y/Video jack and Audio L & R jacks. The on-screen label will display Component or Video 1 depending on which source is connected.*




**Procedure**

1. Connect equipment as shown to front or rear Audio/Video input jacks.
2. Select the Video mode by pressing **TV/VIDEO** button.
3. Operate optional equipment as instructed in equipment manual.

## Front Control Panel

Use the front panel of the television to use the TV without remote or to use the Audio/Video input jacks for optional equipment.

**TV/VIDEO**

Press ⬭ to select VIDEO input mode.

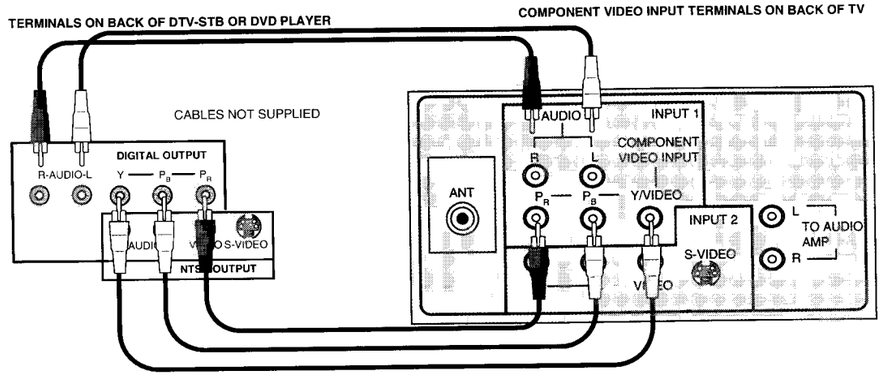
***Note:*** *The front control panel can be used to access menus and switch video mode when the remote control is not available.*





## Digital TV - Set-Top Box (DTV-STB) or DVD Player Connection

Use this diagram to connect the Panasonic DTV-STB (Digital TV-Set-Top Box) to the back of your TV.




- ❒ There are three video inputs, Y, $P_B$, and $P_R$. Separate component color inputs provide luminance and color separation. Use the L (left) and R (right) audio inputs.
- ❒ Select DTV-STB to **480i** output mode. TV set can receive **480i** signal only.

## Amplifier Connection (TO AUDIO AMP)

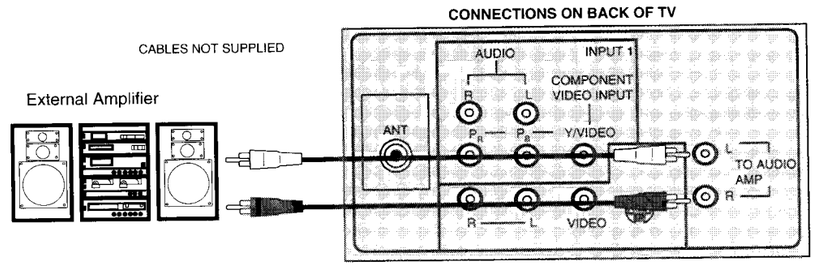
Connect to an external audio amplifier input for listening to a stereo system.

***Note:*** *TO AUDIO AMP terminals cannot be connected directly to external speakers.*

**Audio Adjustments**

1. Select TV SPEAKERS ON from AUDIO menu.
2. Set amplifier volume to minimum.
3. Adjust TV volume to desired level.
4. Adjust amplifier volume to match the TV.
5. Select TV SPEAKERS OFF&VAO from AUDIO menu.
6. Volume, mute, bass, treble and balance are now controlled from the TV.

***Note:*** *In OFF&FAO the volume is controlled by the external amplifier.*



## Remote Control Operation

**POWER**
POWER
Press to turn ON and OFF.

TV VCR DBS/CBL DVD
Press to select remote operation.

**ACTION**
Press to access menus.

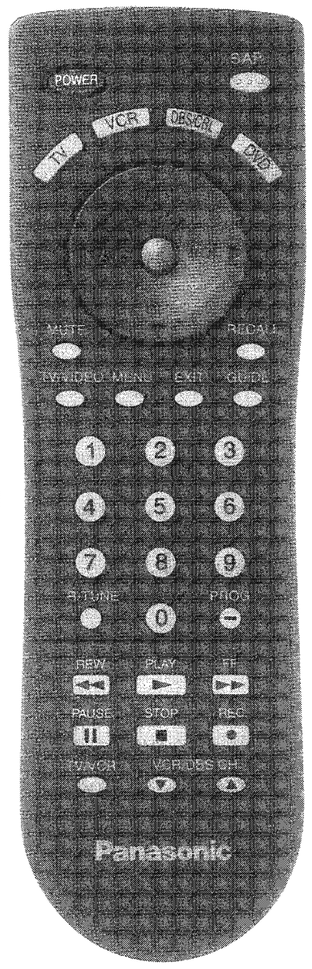
**TV/VIDEO**
Press to select TV or Video mode.

**MUTE**
Press to mute sound. Press to display and cancel CC (Closed Caption).

**MENU**
Press to access DBS or DVD menus.

1 2 3
4 5 6
7 8 9
0
Press numeric keypad to select any channel.

**R-TUNE**
Press to switch to previously viewed channel or video mode.



EUR7613Z10

**SAP**
Press to access second audio program.

VOL VOL
Press to adjust TV sound and navigate in menus.

CH
CH
Press to select next or previous channel and navigate in menus.

**RECALL**
Press to display time, channel, sleep timer, and other options.

**EXIT**
DBS functions button.

**GUIDE**
DBS functions button.

**PROG**
Press to enter minor number in a compound number (DBS mode only).

| REW | PLAY | FF |
|---|---|---|
| PAUSE | STOP | REC |
| TV/VCR | VCR /DBS CH | |

Component function buttons

### Battery Installation

**Use two AA batteries:**

Remove battery cover by pushing in and up near arrow.
Install batteries matching (+) and ( ) polarity signs.
Replace the battery cover.

*Note:* Incorrect installation can cause battery leakage and corrosion that will damage the Remote Control

**Precautions**

- Replace batteries in pairs.
- Do not mix battery types (zinc carbon with alkaline).
- Do not recharge, heat, short-circuit, disassemble, or burn batteries.





### Mode Operational Key Chart

This chart defines the keys that are operational in the selected component modes (TV, VCR, DBS, CABLE or DVD) after programming (if needed).

| KEY NAME | TV MODE | CABLE MODE | DBS MODE |
|---|---|---|---|
| POWER | POWER | POWER | POWER |
| MUTE | MUTE | TV MUTE | TV MUTE |
| MENU | - | - | - |
| TV/VIDEO | INPUT SWITCH | TV INPUT SWITCH | TV INPUT SWITCH |
| CH ▲ | CHANNEL UP | CABLE CHANNEL UP | DBS NAVIGATION UP |
| CH ▼ | CHANNEL DOWN | CABLE CHANNEL DOWN | DBS NAVIGATION DOWN |
| VOL ▶ | VOL + | TV VOL + | DBS NAVIGATION RIGHT |
| ◀ VOL | VOL - | TV VOL - | DBS NAVIGATION LEFT |
| ACTION | TV MENU / ENTER | - | DBS MENU |
| RECALL | DISPLAY | TV DISPLAY | DBS PROG. INFO |
| SAP | SAP ON/OFF | - | STB AUDIO TRACK |
| EXIT | - | - | DBS EXIT |
| GUIDE | - | - | DBS GUIDE |
| PROG | - | - | DBS PROG |
| 1 | DIGIT 1 | DIGIT 1 | DIGIT 1 |
| 2 | DIGIT 2 | DIGIT 2 | DIGIT 2 |
| 3 | DIGIT 3 | DIGIT 3 | DIGIT 3 |
| 4 | DIGIT 4 | DIGIT 4 | DIGIT 4 |
| 5 | DIGIT 5 | DIGIT 5 | DIGIT 5 |
| 6 | DIGIT 6 | DIGIT 6 | DIGIT 6 |
| 7 | DIGIT 7 | DIGIT 7 | DIGIT 7 |
| 8 | DIGIT 8 | DIGIT 8 | DIGIT 8 |
| 9 | DIGIT 9 | DIGIT 9 | DIGIT 9 |
| 0 | DIGIT 0 | DIGIT 0 | DIGIT 0 |
| R-TUNE | PREVIOUS CHAN OR VIDEO MODE | CABLE PREVIOUS CHANNEL | PREVIOUS DBS CHANNEL |
| <<REW | VCR REWIND | - | |
| PLAY | VCR PLAY | - | |
| >>FF | VCR FAST FORWARD | - | |
| PAUSE | VCR PAUSE | - | |
| STOP | VCR STOP | - | |
| RECORD | VCR RECORD | - | |
| TV/VCR | TV/VCR SWITCH | - | |
| VCR/DBSCH ▼ | VCR CHANNEL DOWN | - | DBS CHANNEL DOWN |
| VCR/DBS CH ▲ | VCR CHANNEL UP | - | DBS CHANNEL UP |

## Remote Control Operation

**POWER**
POWER
Press to turn ON and OFF.

TV VCR DBS/CBL DVD
Press to select remote operation.

**ACTION**
Press to access menus.

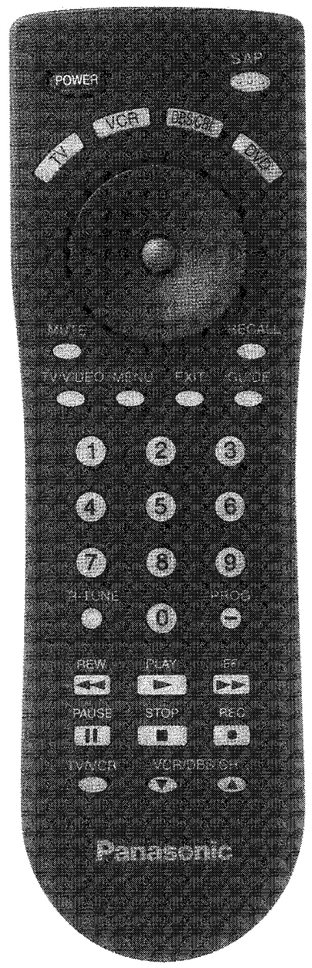
**TV/VIDEO**
Press to select TV or Video mode.

**MUTE**
Press to mute sound. Press to display and cancel CC (Closed Caption).

**MENU**
Press to access DBS or DVD menus.

1 2 3
4 5 6
7 8 9
0
Press numeric keypad to select any channel.

**R-TUNE**
Press to switch to previously viewed channel or video mode.



EUR7613Z10

**SAP**
Press to access second audio program.

VOL VOL
Press to adjust TV sound and navigate in menus.

CH
CH
Press to select next or previous channel and navigate in menus.

**RECALL**
Press to display time, channel, sleep timer, and other options.

**EXIT**
DBS functions button.

**GUIDE**
DBS functions button.

**PROG**
Press to enter minor number in a compound number (DBS mode only).

| REW | PLAY | FF |
|---|---|---|
| PAUSE | STOP | REC |
| TV/VCR | VCR /DBS CH | |

Component function buttons

### Battery Installation

**Use two AA batteries:**

Remove battery cover by pushing in and up near arrow.
Install batteries matching (+) and (-) polarity signs.
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### Mode Operational Key Chart

This chart defines the keys that are operational in the selected component modes (TV, VCR, DBS, CABLE or DVD) after programming (if needed).

| KEY NAME | TV MODE | CABLE MODE | DBS MODE |
|---|---|---|---|
| POWER | POWER | POWER | POWER |
| MUTE | MUTE | TV MUTE | TV MUTE |
| MENU | - | - | - |
| TV/VIDEO | INPUT SWITCH | TV INPUT SWITCH | TV INPUT SWITCH |
| CH ▲ | CHANNEL UP | CABLE CHANNEL UP | DBS NAVIGATION UP |
| CH ▼ | CHANNEL DOWN | CABLE CHANNEL DOWN | DBS NAVIGATION DOWN |
| VOL ▶ | VOL + | TV VOL + | DBS NAVIGATION RIGHT |
| ◀ VOL | VOL - | TV VOL - | DBS NAVIGATION LEFT |
| ACTION | TV MENU / ENTER | - | DBS MENU |
| RECALL | DISPLAY | TV DISPLAY | DBS PROG. INFO |
| SAP | SAP ON/OFF | - | STB AUDIO TRACK |
| EXIT | - | - | DBS EXIT |
| GUIDE | - | - | DBS GUIDE |
| PROG | - | - | DBS PROG |
| 1 | DIGIT 1 | DIGIT 1 | DIGIT 1 |
| 2 | DIGIT 2 | DIGIT 2 | DIGIT 2 |
| 3 | DIGIT 3 | DIGIT 3 | DIGIT 3 |
| 4 | DIGIT 4 | DIGIT 4 | DIGIT 4 |
| 5 | DIGIT 5 | DIGIT 5 | DIGIT 5 |
| 6 | DIGIT 6 | DIGIT 6 | DIGIT 6 |
| 7 | DIGIT 7 | DIGIT 7 | DIGIT 7 |
| 8 | DIGIT 8 | DIGIT 8 | DIGIT 8 |
| 9 | DIGIT 9 | DIGIT 9 | DIGIT 9 |
| 0 | DIGIT 0 | DIGIT 0 | DIGIT 0 |
| R-TUNE | PREVIOUS CHAN OR VIDEO MODE | CABLE PREVIOUS CHANNEL | PREVIOUS DBS CHANNEL |
| <<REW | VCR REWIND | - | - |
| PLAY | VCR PLAY | - | - |
| >>FF | VCR FAST FORWARD | - | - |
| PAUSE | VCR PAUSE | - | - |
| STOP | VCR STOP | - | - |
| RECORD | VCR RECORD | - | - |
| TV/VCR | TV/VCR SWITCH | - | - |
| VCR/DBSCH ▼ | VCR CHANNEL DOWN | - | DBS CHANNEL DOWN |
| VCR/DBS CH ▲ | VCR CHANNEL UP | - | DBS CHANNEL UP |

## Mode Operational Key Chart (contd.)

| KEY NAME | VCR MODE | DVD MODE |
|---|---|---|
| POWER | POWER | POWER |
| MUTE | TV MUTE | TV MUTE |
| MENU | - | - |
| TV/VIDEO | TV INPUT SWITCH | TV INPUT SWITCH |
| ACTION | - | - |
| CHAN ▲ | - | NEXT CHAPTER |
| CHAN ▼ | - | PREVIOUS CHAPTER |
| VOL ▶ | TV VOLUME + | NAVIGATION RIGHT |
| ◀ VOL | TV VOLUME - | NAVIGATION LEFT |
| RECALL | ONSCREEN VCR DISPLAY | DVD DISPLAY |
| SAP | - | - |
| EXIT | - | - |
| GUIDE | - | - |
| PROG | - | - |
| 1 | - | - |
| 2 | - | - |
| 3 | - | - |
| 4 | - | - |
| 5 | - | - |
| 6 | - | - |
| 7 | - | - |
| 8 | - | - |
| 9 | - | - |
| 0 | - | - |
| R-TUNE | - | - |
| <<REW | VCR REWIND | SKIP SEARCH REW << |
| PLAY | VCR PLAY | DVD PLAY |
| >>FF | VCR FF | SKIP SEARCH FF>> |
| PAUSE | VCR PAUSE | DVD STILL |
| STOP | VCR STOP | DVD STOP |
| RECORD | VCR RECORD | - |
| TV/VCR | TV/VCR SWITCH | OPEN/CLOSE |
| VCR/DBS CH ▼ | VCR CHANNEL DOWN | SLOW - |
| VCR/DBS CH ▲ | VCR CHANNEL UP | SLOW + |





## Programming The Remote

The Universal Remote Control can be programmed to operate many manufacturers' components, using the component function buttons for VCR, DVD, CABLE or DBS. Follow the procedures for programming your Remote Control with or without a code for the component.

**Default Modes For Remote Control**

| Device | Operates | Default |
|---|---|---|
| **TV** | TV (Panasonic Only) | Panasonic TV Codes |
| **VCR** | VCR (Preset) | Panasonic VCR Codes |
| **DBS** | DBS (Preset) | Panasonic DBS Codes |
| **CABLE** | CABLE (Preset) | Panasonic DBS Codes |
| **DVD** | DVD, CD (Preset) | Panasonic DVD Codes |

**Determine the manufacturer of the component and look in the table for the code.**

## Programming With a Code

### Procedure

- Confirm that the external component is plugged in and operating.
- Turn the component off.
- Press ACTION and (POWER) together, **for at least 5 seconds.**
- Press appropriate component button on the Remote Control VCR, DVD, CABLE or DBS.
- Enter the 3-digit component code using the Remote Control numeric keypad (0 ~ 9 buttons).
- Press the Remote Control (POWER) to test the component. If the procedure was successful, the component will turn on.

| **Helpful Hints: Unsuccessful Code** |
|---|
| If the component does not operate with the Remote Control, repeat the procedure using another code. (Some brands have multiple codes).<br>If an incorrect code is entered, or if the procedure takes longer than 30 seconds, the programming will fail. |

## Programming Without a Code

This procedure searches all codes and is called the "sequence method."

- Confirm that the external component is plugged in and on.
- Turn the component off.
- Press ACTION and (POWER) together, **for at least 5 seconds.**
- Press appropriate component button on the Remote Control.
- Press VOL ▶ to move forward to the next code. Press ◀ VOL to move backward.
- Press the Remote Control (POWER) to test the component. If the procedure was successful, the component will turn on.

  ***Note:*** *Repeat the above steps until the component code is found. It may take many attempts before the correct code is found.*

- After the code is found, press ACTION to store the code.

## Mode Operational Key Chart (contd.)

| KEY NAME | VCR MODE | DVD MODE |
|---|---|---|
| POWER | POWER | POWER |
| MUTE | TV MUTE | TV MUTE |
| MENU | - | - |
| TV/VIDEO | TV INPUT SWITCH | TV INPUT SWITCH |
| ACTION | - | - |
| CHAN ▲ | - | NEXT CHAPTER |
| CHAN ▼ | - | PREVIOUS CHAPTER |
| VOL ▶ | TV VOLUME + | NAVIGATION RIGHT |
| ◀ VOL | TV VOLUME - | NAVIGATION LEFT |
| RECALL | ONSCREEN VCR DISPLAY | DVD DISPLAY |
| SAP | - | - |
| EXIT | - | - |
| GUIDE | - | - |
| PROG | - | - |
| 1 | - | - |
| 2 | - | - |
| 3 | - | - |
| 4 | - | - |
| 5 | - | - |
| 6 | - | - |
| 7 | - | - |
| 8 | - | - |
| 9 | - | - |
| 0 | - | - |
| R-TUNE | - | - |
| <<REW | VCR REWIND | SKIP SEARCH REW << |
| PLAY | VCR PLAY | DVD PLAY |
| >>FF | VCR FF | SKIP SEARCH FF>> |
| PAUSE | VCR PAUSE | DVD STILL |
| STOP | VCR STOP | DVD STOP |
| RECORD | VCR RECORD | - |
| TV/VCR | TV/VCR SWITCH | OPEN/CLOSE |
| VCR/DBS CH ▼ | VCR CHANNEL DOWN | SLOW - |
| VCR/DBS CH ▲ | VCR CHANNEL UP | SLOW + |





## Programming The Remote

The Universal Remote Control can be programmed to operate many manufacturers' components, using the component function buttons for VCR, DVD, CABLE or DBS. Follow the procedures for programming your Remote Control with or without a code for the component.

**Default Modes For Remote Control**

| Device | Operates | Default |
|---|---|---|
| **TV** | TV (Panasonic Only) | Panasonic TV Codes |
| **VCR** | VCR (Preset) | Panasonic VCR Codes |
| **DBS** | DBS (Preset) | Panasonic DBS Codes |
| **CABLE** | CABLE (Preset) | Panasonic DBS Codes |
| **DVD** | DVD, CD (Preset) | Panasonic DVD Codes |

**Determine the manufacturer of the component and look in the table for the code.**

## Programming With a Code

### Procedure

- Confirm that the external component is plugged in and operating.
- Turn the component off.
- Press ACTION and POWER together, **for at least 5 seconds.**
- Press appropriate component button on the Remote Control VCR, DVD, CABLE or DBS.
- Enter the 3-digit component code using the Remote Control numeric keypad (0 ~ 9 buttons).
- Press the Remote Control POWER to test the component. If the procedure was successful, the component will turn on.

| **Helpful Hints: Unsuccessful Code** |
|---|
| If the component does not operate with the Remote Control, repeat the procedure using another code. (Some brands have multiple codes).<br>If an incorrect code is entered, or if the procedure takes longer than 30 seconds, the programming will fail. |

## Programming Without a Code

This procedure searches all codes and is called the "sequence method."

- Confirm that the external component is plugged in and on.
- Turn the component off.
- Press ACTION and POWER together, **for at least 5 seconds.**
- Press appropriate component button on the Remote Control.
- Press VOL ▶ to move forward to the next code. Press ◀ VOL to move backward.
- Press the Remote Control POWER to test the component. If the procedure was successful, the component will turn on.

  ***Note:*** *Repeat the above steps until the component code is found. It may take many attempts before the correct code is found.*

- After the code is found, press ACTION to store the code.

## Component Codes

The Universal Remote Control is capable of operating many component brands after entering a code. Some components may not operate because the codes are not available due to limited memory. The Universal Remote Control does not control all features found in each model.

**Write the code numbers from tables in this space. This will serve as a reference if you need to program your Remote Control.**

| VCR | DVD | DBS | CABLE | |
|---|---|---|---|---|
| | | | | |

## Codes For VCR

| Brand | Code |
|---|---|
| Admiral | 335 |
| Aiwa | 332 |
| Akai | 314, 315, 316, 329 |
| Audio Dynamic | 311, 339 |
| Bell & Howell | 305, 313 |
| Broksonic | 320, 326 |
| Canon | 323, 325 |
| CCE | 343 |
| Citizen | 306 |
| Craig | 305, 306, 329 |
| Curtis Mathes | 324, 345 |
| Daewoo | 301, 324, 343 |
| DBX | 310, 311, 339 |
| Dimensia | 345 |
| Emerson | 303, 319, 320, 325, 326, 343 |
| Fisher | 305, 307, 308, 309, 313 |
| Funai | 320, 326, 334 |
| GE | 324, 333, 345 |
| Goldstar | 306 |
| Gradiente | 334 |
| Hitachi | 300, 323, 345 |
| Instant Replay | 323, 324 |
| Jensen | 339 |
| JVC | 310, 311, 334,339 |
| Kenwood | 306, 310, 311, 339 |
| LXI | 300, 305, 306,307, 308, 309 |
| Magnavox | 323, 324, 331 |
| Marantz | 310, 311, 339 |
| Marta | 306 |
| Memorex | 309, 324 |
| MGA | 338, 340, 341, 347,348 |
| Minolta | 300, 345 |
| Mitsubishi | 338, 340, 341, 347, 348 |
| Multitech | 304, 347 |
| NEC | 310,311, 334, 339 |
| Olympic | 323, 324 |
| Optimus | 306, 321, 328, 335 |

| Brand | Code |
|---|---|
| Orion | 320, 326 |
| Panasonic | 321,322, 323, 324 |
| J.C. Penney | 300,305, 310, 311, 324, 339, 345 |
| Pentax | 300,311, 345 |
| Philco | 320, 323, 324, 326, 331, 343 |
| Philips | 323, 324, 331 |
| Pioneer | 323 |
| Proscan | 300, 301, 302, 323, 324, 331, 333, 345, 346 |
| Quasar | 321, 322, 323, 324 |
| Radio Shack | 305, 309, 324, 333, 336, 340 |
| RCA | 300, 301,302, 323, 324, 331, 333, 345, 346 |
| Realistic | 305, 309, 324, 336, 340 |
| Samsung | 302, 304, 333 |
| Sansui | 320, 326, 339, 352 |
| Sanyo | 305, 309, 313 |
| Scott | 301, 302, 304, 309, 320, 326, 338, 340, 347, 348 |
| Sears | 300, 305, 306, 307, 308 |
| Sharp | 335, 336 |
| Shintom | 317 |
| Signature 2000 | 335 |
| Singer | 337 |
| Sony | 328, 329, 330 |
| Sylvania | 331, 324, 331 |
| Tashiro | 306 |
| Tatung | 310, 311, 339 |
| Teac | 310, 311, 339 |
| Technics | 321, 322, 323, 324 |
| Teknika | 324 |
| Toshiba | 301, 346 |
| Vector Research | 311 |
| Wards | 306, 309, 335, 336, 344 |
| Yamaha | 305, 310, 311, 339 |
| Zenith | 306,344 |





## Component Codes (cont'd.)

### Codes for Cable Box

| Brand | Code |
|---|---|
| ABC | 224 |
| Archer | 225, 232 |
| Cableview | 205, 232 |
| Citizen | 205, 222 |
| Curtis | 212, 213 |
| Diamond | 224, 225, 232 |
| Eagle | 229 |
| Eastern | 234 |
| GC Brand | 205, 232 |
| Gemini | 222 |
| General Instrument/ Jerrold | 211, 219, 220, 221, 222, 223, 224, 225, 226, 227 |
| Hamlin | 212, 218, 240, 241, 242, 245 |
| Hitachi | 203, 224 |
| Macom | 203, 204, 205 |
| Magnavox | 233 |
| Memorex | 230 |
| Movietime | 205, 232 |
| Oak | 202, 237,239 |
| Panasonic | 209, 210, 214 |
| Philips | 206, 207, 228, 229, 230 |
| Pioneer | 201, 216 |
| Pulsar | 205, 232 |

| Brand | Code |
|---|---|
| Puser | 232 |
| RCA | 215 |
| Realistic | 232 |
| Regal | 212, 218, 240, 241, 242, 245 |
| Regency | 234 |
| Rembrandt | 205, 232, 237 |
| S.A. | 211, 212, 213 |
| Samsung | 205 |
| Scientific Atlanta | 211, 212, 213 |
| Slmark | 201, 205 |
| Sprucer | 205, 210 |
| Stargate | 205, 232 |
| Teleview | 201, 205 |
| Texscan | 244 |
| Tocom | 235 |
| Toshiba | 204 |
| Unika | 225, 232 |
| Universal | 222, 232 |
| Videoway | 206 |
| Viewstar | 229, 230 |
| Zenith | 200, 217 |
| Zenith / Drake Satellite | 200 |

### Codes for DVD

| Brand | Code |
|---|---|
| Denon | 100 |
| Ferguson | 101 |
| JVC | 109 |
| Mitsubishi | 105 |
| Nordmende | 101 |
| Panasonic | 100 |
| Philips | 103 |
| Pioneer | 102 |
| RCA | 101 |

| Brand | Code |
|---|---|
| Saba | 101 |
| Samsung | 110 |
| Sharp | 108 |
| Sony | 104 |
| Technics | 100 |
| Thomson | 101 |
| Toshiba | 103 |
| Yamaha | 100 |
| Zenith | 107 |

### Codes for DBS

| Brand | Code |
|---|---|
| Dish Network (Echostar) | 105, 115, 116 |
| Echo Star | 105 |
| Express VU | 105, 115 |
| G.E. | 106 |
| G.I. (General Instrument) | 108 |
| Gradiente | 114 |
| Hitachi | 103, 111, 112 |
| HNS (Hughes) | 103 |
| Magnavox | 101, 102 |

| Brand | Code |
|---|---|
| Panasonic | 104 |
| Philips | 101, 102 |
| Primestar | 108 |
| Proscan | 106, 109, 110, 113 |
| RCA | 106, 109, 110, 113 |
| Sony | 107 |
| Star Choice | 103, 108 |
| Toshiba | 100 |
| Uniden | 101, 102 |

## Component Codes

The Universal Remote Control is capable of operating many component brands after entering a code. Some components may not operate because the codes are not available due to limited memory. The Universal Remote Control does not control all features found in each model.

**Write the code numbers from tables in this space. This will serve as a reference if you need to program your Remote Control.**

| VCR | DVD | DBS | CABLE | |
|---|---|---|---|---|
| | | | | |

## Codes For VCR

| Brand | Code |
|---|---|
| Admiral | 335 |
| Aiwa | 332 |
| Akai | 314, 315, 316, 329 |
| Audio Dynamic | 311, 339 |
| Bell & Howell | 305, 313 |
| Broksonic | 320, 326 |
| Canon | 323, 325 |
| CCE | 343 |
| Citizen | 306 |
| Craig | 305, 306, 329 |
| Curtis Mathes | 324, 345 |
| Daewoo | 301, 324, 343 |
| DBX | 310, 311, 339 |
| Dimensia | 345 |
| Emerson | 303, 319, 320, 325, 326, 343 |
| Fisher | 305, 307, 308, 309, 313 |
| Funai | 320, 326, 334 |
| GE | 324, 333, 345 |
| Goldstar | 306 |
| Gradiente | 334 |
| Hitachi | 300, 323, 345 |
| Instant Replay | 323, 324 |
| Jensen | 339 |
| JVC | 310, 311, 334,339 |
| Kenwood | 306, 310, 311, 339 |
| LXI | 300, 305, 306,307, 308, 309 |
| Magnavox | 323, 324, 331 |
| Marantz | 310, 311, 339 |
| Marta | 306 |
| Memorex | 309, 324 |
| MGA | 338, 340, 341, 347,348 |
| Minolta | 300, 345 |
| Mitsubishi | 338, 340, 341, 347, 348 |
| Multitech | 304, 347 |
| NEC | 310,311, 334, 339 |
| Olympic | 323, 324 |
| Optimus | 306, 321, 328, 335 |

| Brand | Code |
|---|---|
| Orion | 320, 326 |
| Panasonic | 321,322, 323, 324 |
| J.C. Penney | 300,305, 310, 311, 324, 339, 345 |
| Pentax | 300,311, 345 |
| Philco | 320, 323, 324, 326, 331, 343 |
| Philips | 323, 324, 331 |
| Pioneer | 323 |
| Proscan | 300, 301, 302, 323, 324, 331, 333, 345, 346 |
| Quasar | 321, 322, 323, 324 |
| Radio Shack | 305, 309, 324, 333, 336, 340 |
| RCA | 300, 301,302, 323, 324, 331, 333, 345, 346 |
| Realistic | 305, 309, 324, 336, 340 |
| Samsung | 302, 304, 333 |
| Sansui | 320, 326, 339, 352 |
| Sanyo | 305, 309, 313 |
| Scott | 301, 302, 304, 309, 320, 326, 338, 340, 347, 348 |
| Sears | 300, 305, 306, 307, 308 |
| Sharp | 335, 336 |
| Shintom | 317 |
| Signature 2000 | 335 |
| Singer | 337 |
| Sony | 328, 329, 330 |
| Sylvania | 331, 324, 331 |
| Tashiro | 306 |
| Tatung | 310, 311, 339 |
| Teac | 310, 311, 339 |
| Technics | 321, 322, 323, 324 |
| Teknika | 324 |
| Toshiba | 301, 346 |
| Vector Research | 311 |
| Wards | 306, 309, 335, 336, 344 |
| Yamaha | 305, 310, 311, 339 |
| Zenith | 306,344 |





## Component Codes (cont'd.)

### Codes for Cable Box

| Brand | Code |
|---|---|
| ABC | 224 |
| Archer | 225, 232 |
| Cableview | 205, 232 |
| Citizen | 205, 222 |
| Curtis | 212, 213 |
| Diamond | 224, 225, 232 |
| Eagle | 229 |
| Eastern | 234 |
| GC Brand | 205, 232 |
| Gemini | 222 |
| General Instrument/ Jerrold | 211, 219, 220, 221, 222, 223, 224, 225, 226, 227 |
| Hamlin | 212, 218, 240, 241, 242, 245 |
| Hitachi | 203, 224 |
| Macom | 203, 204, 205 |
| Magnavox | 233 |
| Memorex | 230 |
| Movietime | 205, 232 |
| Oak | 202, 237,239 |
| Panasonic | 209, 210, 214 |
| Philips | 206, 207, 228, 229, 230 |
| Pioneer | 201, 216 |
| Pulsar | 205, 232 |

| Brand | Code |
|---|---|
| Puser | 232 |
| RCA | 215 |
| Realistic | 232 |
| Regal | 212, 218, 240, 241, 242, 245 |
| Regency | 234 |
| Rembrandt | 205, 232, 237 |
| S.A. | 211, 212, 213 |
| Samsung | 205 |
| Scientific Atlanta | 211, 212, 213 |
| Slmark | 201, 205 |
| Sprucer | 205, 210 |
| Stargate | 205, 232 |
| Teleview | 201, 205 |
| Texscan | 244 |
| Tocom | 235 |
| Toshiba | 204 |
| Unika | 225, 232 |
| Universal | 222, 232 |
| Videoway | 206 |
| Viewstar | 229, 230 |
| Zenith | 200, 217 |
| Zenith / Drake Satellite | 200 |

### Codes for DVD

| Brand | Code |
|---|---|
| Denon | 100 |
| Ferguson | 101 |
| JVC | 109 |
| Mitsubishi | 105 |
| Nordmende | 101 |
| Panasonic | 100 |
| Philips | 103 |
| Pioneer | 102 |
| RCA | 101 |

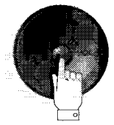
| Brand | Code |
|---|---|
| Saba | 101 |
| Samsung | 110 |
| Sharp | 108 |
| Sony | 104 |
| Technics | 100 |
| Thomson | 101 |
| Toshiba | 103 |
| Yamaha | 100 |
| Zenith | 107 |

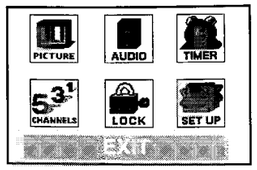
### Codes for DBS

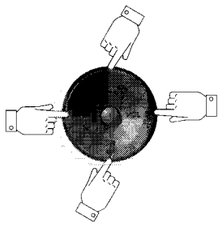
| Brand | Code |
|---|---|
| Dish Network (Echostar) | 105, 115, 116 |
| Echo Star | 105 |
| Express VU | 105, 115 |
| G.E. | 106 |
| G.I. (General Instrument) | 108 |
| Gradiente | 114 |
| Hitachi | 103, 111, 112 |
| HNS (Hughes) | 103 |
| Magnavox | 101, 102 |

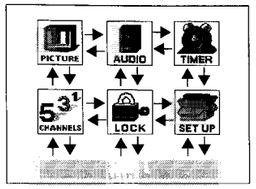
| Brand | Code |
|---|---|
| Panasonic | 104 |
| Philips | 101, 102 |
| Primestar | 108 |
| Proscan | 106, 109, 110, 113 |
| RCA | 106, 109, 110, 113 |
| Sony | 107 |
| Star Choice | 103, 108 |
| Toshiba | 100 |
| Uniden | 101, 102 |

## Icon Menu Navigation

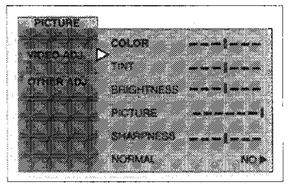
Press  to display the Icons.



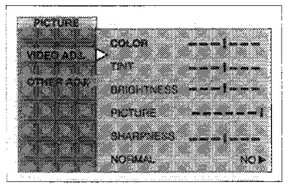

Press  to select desired icon.

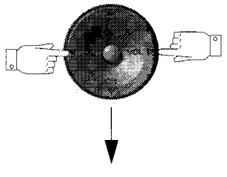


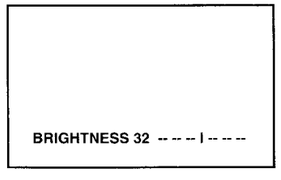

Press to display selected Icon features.



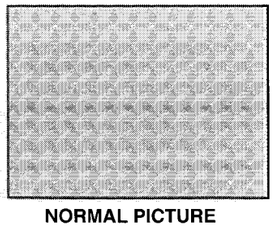

Press to select feature.




Press  to adjust or activate feature.




Press repeatedly to exit menus.

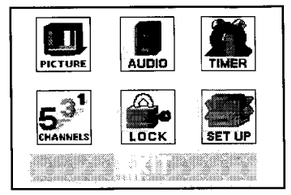


NORMAL PICTURE





## Main Menu Icons




### Icon Menus

These charts list all menus under each Icon and which pages to refer to for menus description.

| SET UP | REFER TO PAGE |
|---|---|
| **IDIOMA/LANGUE**<br>❒ MODE - (ENGLISH, FRANÇAIS, ESPAÑOL) | 16 |
| **PROG CHAN**<br>❒ MODE - (TV or CABLE)<br>❒ AUTO PROGRAM<br>❒ MANUAL PROGRAM | 16 |
| **CC (CLOSED CAPTIONED)**<br>❒ CC ON MUTE<br>❒ CC MODE | 17 |
| **OTHER ADJ.**<br>❒ AUTO POWER ON<br>❒ CHANNEL BANNER<br>❒ GEOMAGNETIC CORR | 17 |

| AUDIO | REFER TO PAGE |
|---|---|
| **AUDIO ADJ.**<br>❒ MODE (STEREO, SAP or MONO)<br>❒ BASS, TREBLE, BALANCE OR NORMAL | 19 |
| **OTHER ADJ.**<br>❒ AI SOUND<br>❒ BBE | 20 |
| **SURROUND**<br>❒ MODE | 20 |
| **SPEAKERS**<br>❒ ON<br>❒ OFF & VARIABLE AUDIO OUT<br>❒ OFF & FIXED AUDIO OUT | 20 |

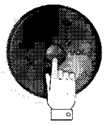
| TIMER | REFER TO PAGE |
|---|---|
| **CLOCK SET**<br>❒ TIME<br>❒ DAY | 18 |
| **SLEEP**<br>❒ HOW LONG? | 18 |
| **TIMER**<br>❒ DAY<br>❒ ON TIME<br>❒ OFF TIME<br>❒ ENTER CHANNEL<br>❒ SET | 19 |

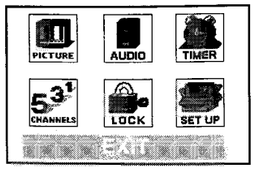
| PICTURE | REFER TO PAGE |
|---|---|
| **VIDEO ADJ**<br>❒ COLOR, TINT, BRIGHTNESS, PICTURE, SHARPNESS OR NORMAL | 18 |
| **OTHER ADJ.**<br>❒ COLOR TEMP | 18 |

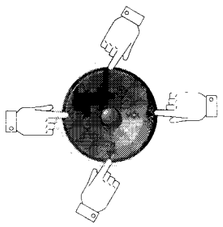
| CHANNELS | REFER TO PAGE |
|---|---|
| **CAPTION**<br>❒ MANUAL CAPTION<br>❒ INPUT LABEL | 21 |

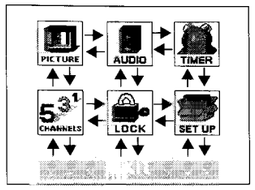
| LOCK | REFER TO PAGE |
|---|---|
| **MODE**<br>❒ LOCK SET - (OFF, GAME, CHANNELS or ALL)<br>❒ BLOCK PROGRAM<br>❒ HOW LONG? | 22 |
| **V-CHIP OPERATION** | 23 |

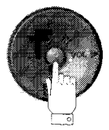
## Icon Menu Navigation

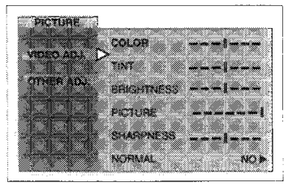
Press  to display the Icons.

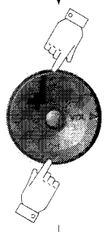


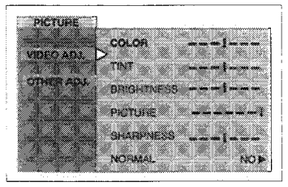

Press  to select desired icon.

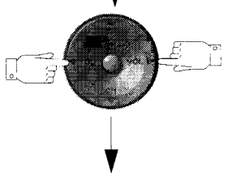


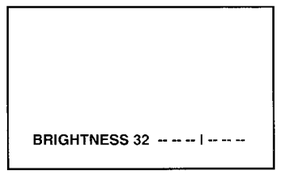

Press  to display selected Icon features.



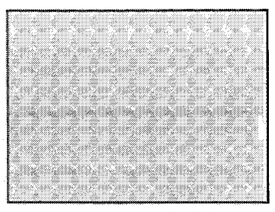

Press  to select feature.




Press  to adjust or activate feature.




Press repeatedly to exit menus.

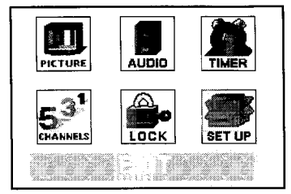


NORMAL PICTURE





## Main Menu Icons




### Icon Menus

These charts list all menus under each Icon and which pages to refer to for menus description.

| SET UP | REFER TO PAGE |
|---|---|
| **IDIOMA/LANGUE**<br>❒ MODE - (ENGLISH, FRANÇAIS, ESPAÑOL) | 16 |
| **PROG CHAN**<br>❒ MODE - (TV or CABLE)<br>❒ AUTO PROGRAM<br>❒ MANUAL PROGRAM | 16 |
| **CC (CLOSED CAPTIONED)**<br>❒ CC ON MUTE<br>❒ CC MODE | 17 |
| **OTHER ADJ.**<br>❒ AUTO POWER ON<br>❒ CHANNEL BANNER<br>❒ GEOMAGNETIC CORR | 17 |

| AUDIO | REFER TO PAGE |
|---|---|
| **AUDIO ADJ.**<br>❒ MODE (STEREO, SAP or MONO)<br>❒ BASS, TREBLE, BALANCE OR NORMAL | 19 |
| **OTHER ADJ.**<br>❒ AI SOUND<br>❒ BBE | 20 |
| **SURROUND**<br>❒ MODE | 20 |
| **SPEAKERS**<br>❒ ON<br>❒ OFF & VARIABLE AUDIO OUT<br>❒ OFF & FIXED AUDIO OUT | 20 |

| TIMER | REFER TO PAGE |
|---|---|
| **CLOCK SET**<br>❒ TIME<br>❒ DAY | 18 |
| **SLEEP**<br>❒ HOW LONG? | 18 |
| **TIMER**<br>❒ DAY<br>❒ ON TIME<br>❒ OFF TIME<br>❒ ENTER CHANNEL<br>❒ SET | 19 |

| PICTURE | REFER TO PAGE |
|---|---|
| **VIDEO ADJ**<br>❒ COLOR, TINT, BRIGHTNESS, PICTURE, SHARPNESS OR NORMAL | 18 |
| **OTHER ADJ.**<br>❒ COLOR TEMP | 18 |

| CHANNELS | REFER TO PAGE |
|---|---|
| **CAPTION**<br>❒ MANUAL CAPTION<br>❒ INPUT LABEL | 21 |

| LOCK | REFER TO PAGE |
|---|---|
| **MODE**<br>❒ LOCK SET - (OFF, GAME, CHANNELS or ALL)<br>❒ BLOCK PROGRAM<br>❒ HOW LONG? | 22 |
| **V-CHIP OPERATION** | 23 |

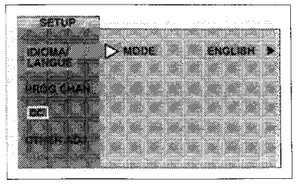
# Icon Menu Operation

## SET UP

***Note:*** *Refer to page 14 for Icon Menu Navigation procedures.*

**IDIOMA/LANGUE** (Menu Languages)

In SET UP Menu, select IDIOMA/LANGUE to change menu language to ENGLISH, ESPAÑOL (Spanish) or FRANÇAIS (French).

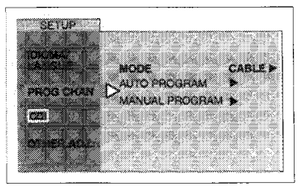



❒ Press VOL ▶ to select English, Spanish or French.

**Prog Chan (Program Channels)**

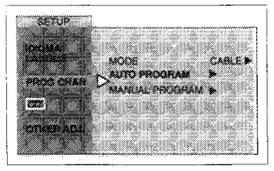
In SET UP menu under PROG CHAN select:

❒ MODE - To select TV (antenna) or CABLE mode depending on the signal source.



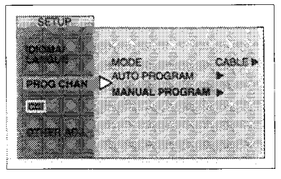

❒ Press VOL ▶ to select TV or CABLE.

❒ AUTO PROGRAM - To automatically program all channels with a signal.

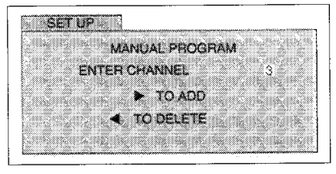



❒ Press VOL ▶ to start AUTO PROGRAM.

❒ MANUAL PROGRAM - To manually add or delete channels.




❒ Press VOL ▶ to display next menu.




***Note:*** *Use Remote numeric keypad to enter channel numbers.*



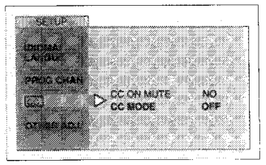


**CC (Closed Captioning)**

This television contains a built-in decoder that displays CC (Closed Captioned) text across the screen (white or colored letters on black background). It allows the viewer to read the dialogue of a television program or other information. The program viewed must include Closed Captioning for the feature to work.

**CC On Mute**

Activates the Closed Caption feature when the MUTE button on the remote control is pressed




❒ Press VOL ▶ to select C1, C2, or NO.

***Note:*** *This feature only functions when the Closed Caption Mode is OFF. The recommended set up for Closed Caption on Mute is:*

- CC ON MUTE: C1
- CC MODE: OFF

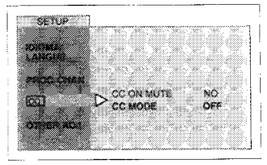
**CC Mode**

Activates the onscreen Closed Caption feature by selecting one of the following modes:

❒ OFF - When Closed Caption is not desired.

❒ C1 - For video related information to be displayed, up to 4 lines onscreen at a time. (It does not block relevant parts of the picture). Text may be in any language.

❒ C2 - For other mode of video related information.



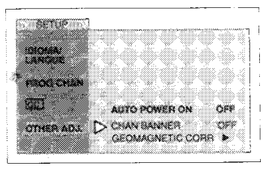

❒ Press VOL ▶ to select C1, C2, or NO.

***Note:*** *C1 mode is recommended for viewing Closed Caption.*

**Other Adjustments**

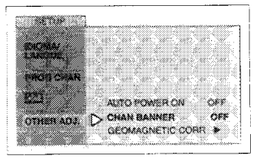
In SETUP Menu under OTHER ADJ. select:

❒ AUTO POWER ON - Select SET to power up the TV at the same time as the Cable box or other components or select OFF.




❒ Press VOL ▶ to select OFF or SET.

❒ CHANNEL BANNER - Select ON to display onscreen banner when changing channels.

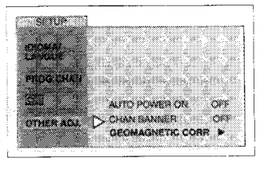



❒ Press VOL ▶ to select OFF or ON.

***Note:*** *Press RECALL to display onscreen Channel Banner at any time.*

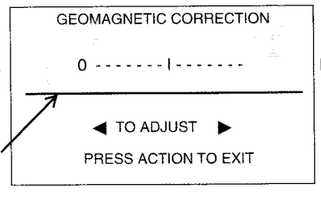
❒ GEOMAGNETIC CORR - This feature is used to adjust the tilt of the picture due to earth's magnetic field in the area.

***Note:*** *Tilt Correction may be required at Set Up time or when the TV set is moved to a different location.*




❒ Press VOL ▶ to display sub-menu.

tilt adjustment bar




❒ Press ◀ VOL or VOL ▶ to adjust the tilt adjustment bar until it is parallel to the bottom of the picture frame.

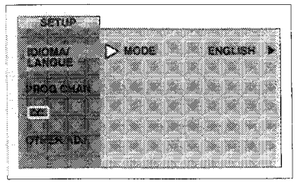
# Icon Menu Operation

## SET UP

***Note:*** *Refer to page 14 for Icon Menu Navigation procedures.*

**IDIOMA/LANGUE** (Menu Languages)

In SET UP Menu, select IDIOMA/LANGUE to change menu language to ENGLISH, ESPAÑOL (Spanish) or FRANÇAIS (French).

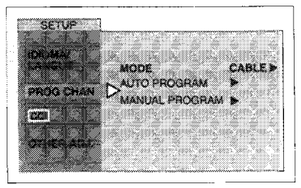



❒ Press VOL ▶ to select English, Spanish or French.

**Prog Chan (Program Channels)**

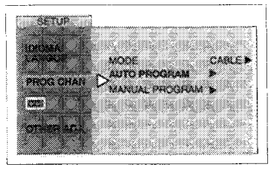
In SET UP menu under PROG CHAN select:

❒ MODE - To select TV (antenna) or CABLE mode depending on the signal source.



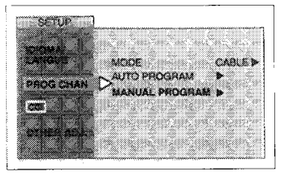

❒ Press VOL ▶ to select TV or CABLE.

❒ AUTO PROGRAM - To automatically program all channels with a signal.

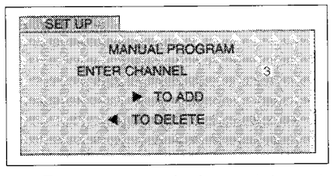



❒ Press VOL ▶ to start AUTO PROGRAM.

❒ MANUAL PROGRAM - To manually add or delete channels.




❒ Press VOL ▶ to display next menu.




***Note:*** *Use Remote numeric keypad to enter channel numbers.*



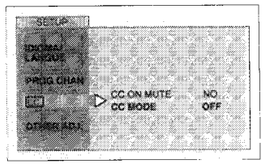


**CC (Closed Captioning)**

This television contains a built-in decoder that displays CC (Closed Captioned) text across the screen (white or colored letters on black background). It allows the viewer to read the dialogue of a television program or other information. The program viewed must include Closed Captioning for the feature to work.

**CC On Mute**

Activates the Closed Caption feature when the MUTE button on the remote control is pressed




❒ Press VOL ▶ to select C1, C2, or NO.

***Note:*** *This feature only functions when the Closed Caption Mode is OFF. The recommended set up for Closed Caption on Mute is:*

- CC ON MUTE: C1
- CC MODE: OFF

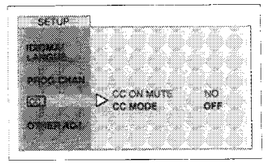
**CC Mode**

Activates the onscreen Closed Caption feature by selecting one of the following modes:

❒ OFF - When Closed Caption is not desired.

❒ C1 - For video related information to be displayed, up to 4 lines onscreen at a time. (It does not block relevant parts of the picture). Text may be in any language.

❒ C2 - For other mode of video related information.



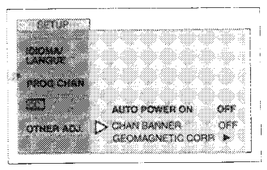

❒ Press VOL ▶ to select C1, C2, or NO.

***Note:*** *C1 mode is recommended for viewing Closed Caption.*

**Other Adjustments**

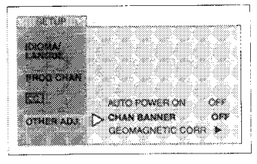
In SETUP Menu under OTHER ADJ. select:

❒ AUTO POWER ON - Select SET to power up the TV at the same time as the Cable box or other components or select OFF.




❒ Press VOL ▶ to select OFF or SET.

❒ CHANNEL BANNER - Select ON to display onscreen banner when changing channels.

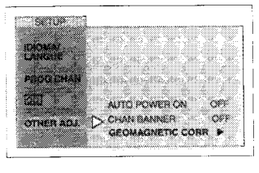



❒ Press VOL ▶ to select OFF or ON.

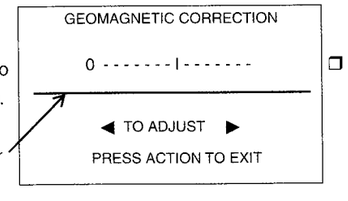
***Note:*** *Press RECALL to display onscreen Channel Banner at any time.*

❒ GEOMAGNETIC CORR - This feature is used to adjust the tilt of the picture due to earth's magnetic field in the area.

***Note:*** *Tilt Correction may be required at Set Up time or when the TV set is moved to a different location.*




❒ Press VOL ▶ to display sub-menu.




tilt adjustment bar

❒ Press ◀ VOL or VOL ▶ to adjust the tilt adjustment bar until it is parallel to the bottom of the picture frame.

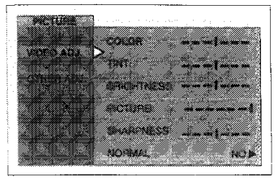
## PICTURE

***Note:*** *Refer to page 14 for Icon Menu Navigation procedures.*

### Video Adj.

In Picture menu under VIDEO ADJ. select:

- ❒ COLOR - Adjusts desired color intensity.
- ❒ TINT - Adjusts natural flesh tones.
- ❒ BRIGHTNESS - Adjusts dark areas of picture.
- ❒ PICTURE - Adjusts white areas of picture.
- ❒ SHARPNESS - Adjusts clarity of outline detail.
- ❒ NORMAL - Reset all picture adjustments to factory default settings.




- ❒ Press CH ▼ to select desired picture adjustment.
- ❒ Press ◀ VOL or VOL ▶ to adjust.

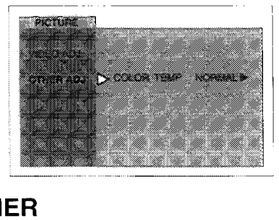
### Video Input Memory

- ❒ Video adjustments can be individually set for each video input mode.

### Other Adj.

In Picture menu under OTHER ADJ. select:

- ❒ COLOR TEMP - To increase and decrease WARM (red) and COOL (blue) colors to suit personal preferences.

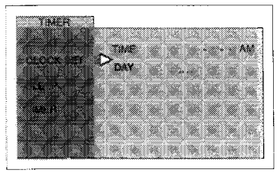



- ❒ Press VOL ▶ to select WARM, COOL or NORMAL.

## TIMER

### Clock Set

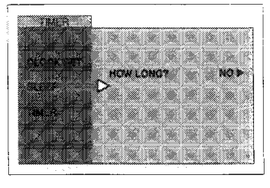
- ❒ Set the time and the day of the week.




- ❒ Press ◀ VOL or VOL ▶ to select hours AM or PM.
- ❒ Press CH ▼ to select minutes position.
- ❒ Press ◀ VOL or VOL ▶ to select minutes.
- ❒ Press CH ▼ to highlight DAY, then press VOL ▶ to select day.

### Sleep Timer

- ❒ In TIMER menu, select SLEEP to turn television off in 30, 60 or 90 minutes. Select NO to turn off timer.




- ❒ Press VOL ▶ to select 30, 60, 90 or NO.

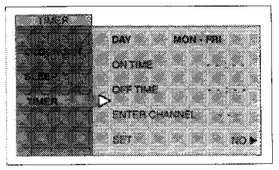




## TIMER (Contd.)

### Timer

- ❒ In TIMER menu, select timer to turn the television on and off at selected times, on selected channels, and on selected days.TIME must be entered in CLOCK SET to operate the TIMER features.




- ❒ Press VOL ▶ to select day or days.
- ❒ Press CH ▼ to select ON TIME, then press VOL ▶.
- ❒ Repeat for setting OFF TIME.
- ❒ Press CH ▼ to select ENTER CHANNEL, then press VOL ▶ to select channel.
- ❒ Press CH ▼ to select SET, then press VOL ▶ to select NO or SET.

***Turn Off After 90 Minutes***

The television automatically turns OFF after 90 minutes when turned ON by the TIMER. If the OFF time is selected or if a key is pressed, the automatic OFF after 90 minutes will be cancelled.

***TIMER Activation***

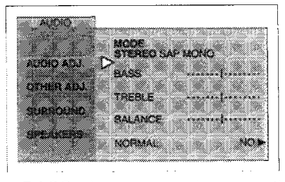
The TIMER is active when the television is OFF or ON. The television will switch to the selected channel at the selected time set in the TIMER.

## AUDIO

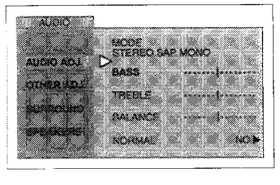
***Note:*** *Refer to page 14 for Icon Menu Navigation procedures.*

### Audio ADJ.

- ❒ MODE - Select STEREO, SAP (Second Audio Program) or MONO. (Use MONO when stereo signal is weak).




- ❒ Press VOL ▶ to select STEREO, SAP or MONO.
- ❒ BASS - Increase or decrease the low frequency response.
- ❒ TREBLE - Increase or decrease the high frequency response.
- ❒ BALANCE - Emphasize the left/right speaker volume.
- ❒ NORMAL - Reset BASS, TREBLE and BALANCE adjustments to factory default settings.




- ❒ Press ◀ VOL or VOL ▶ to adjust.

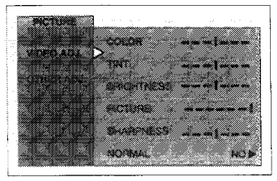
## PICTURE

***Note:*** *Refer to page 14 for Icon Menu Navigation procedures.*

### Video Adj.

In Picture menu under VIDEO ADJ. select:

- ❒ COLOR - Adjusts desired color intensity.
- ❒ TINT - Adjusts natural flesh tones.
- ❒ BRIGHTNESS - Adjusts dark areas of picture.
- ❒ PICTURE - Adjusts white areas of picture.
- ❒ SHARPNESS - Adjusts clarity of outline detail.
- ❒ NORMAL - Reset all picture adjustments to factory default settings.




- ❒ Press CH ▼ to select desired picture adjustment.
- ❒ Press ◀ VOL or VOL ▶ to adjust.

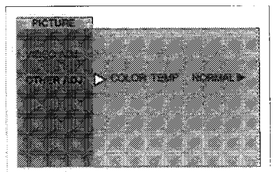
### Video Input Memory

- ❒ Video adjustments can be individually set for each video input mode.

### Other Adj.

In Picture menu under OTHER ADJ. select:

- ❒ COLOR TEMP - To increase and decrease WARM (red) and COOL (blue) colors to suit personal preferences.

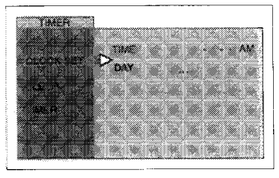



- ❒ Press VOL ▶ to select WARM, COOL or NORMAL.

## TIMER

### Clock Set

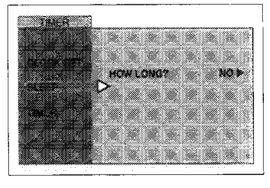
- ❒ Set the time and the day of the week.




- ❒ Press ◀ VOL or VOL ▶ to select hours AM or PM.
- ❒ Press CH ▼ to select minutes position.
- ❒ Press ◀ VOL or VOL ▶ to select minutes.
- ❒ Press CH ▼ to highlight DAY, then press VOL ▶ to select day.

### Sleep Timer

- ❒ In TIMER menu, select SLEEP to turn television off in 30, 60 or 90 minutes. Select NO to turn off timer.




- ❒ Press VOL ▶ to select 30, 60, 90 or NO.

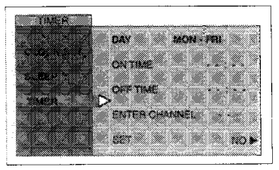




## TIMER (Contd.)

### Timer

- ❒ In TIMER menu, select timer to turn the television on and off at selected times, on selected channels, and on selected days.TIME must be entered in CLOCK SET to operate the TIMER features.




- ❒ Press VOL ▶ to select day or days.
- ❒ Press CH ▼ to select ON TIME, then press VOL ▶.
- ❒ Repeat for setting OFF TIME.
- ❒ Press CH ▼ to select ENTER CHANNEL, then press VOL ▶ to select channel.
- ❒ Press CH ▼ to select SET, then press VOL ▶ to select NO or SET.

***Turn Off After 90 Minutes***

The television automatically turns OFF after 90 minutes when turned ON by the TIMER. If the OFF time is selected or if a key is pressed, the automatic OFF after 90 minutes will be cancelled.

***TIMER Activation***

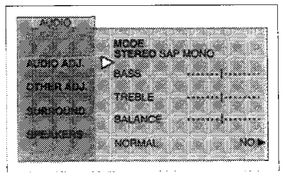
The TIMER is active when the television is OFF or ON. The television will switch to the selected channel at the selected time set in the TIMER.

## AUDIO

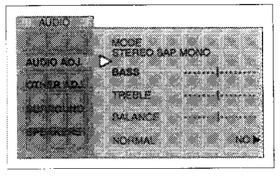
***Note:*** *Refer to page 14 for Icon Menu Navigation procedures.*

### Audio ADJ.

- ❒ MODE - Select STEREO, SAP (Second Audio Program) or MONO. (Use MONO when stereo signal is weak).




- ❒ Press VOL ▶ to select STEREO, SAP or MONO.
- ❒ BASS - Increase or decrease the low frequency response.
- ❒ TREBLE - Increase or decrease the high frequency response.
- ❒ BALANCE - Emphasize the left/right speaker volume.
- ❒ NORMAL - Reset BASS, TREBLE and BALANCE adjustments to factory default settings.

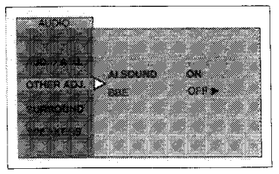



- ❒ Press ◀ VOL or VOL ▶ to adjust.

## AUDIO (Contd.)

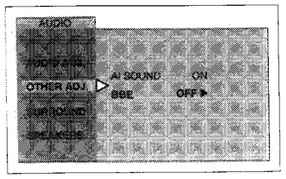
### Other ADJ.

❒ AI SOUND - Equalize overall volume levels across all channels. (AI sound is not available in VIDEO mode).




❒ Press VOL▶ to select ON or OFF.

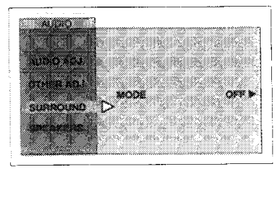
❒ BBE - BBE High Definition Sound improves the clarity of spoken words and widens the dynamic range of musical passages.




❒ Press VOL▶ to select ON or OFF.

### Surround

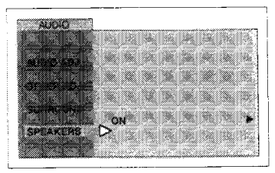
❒ MODE - Enhances audio response when listening to stereo.




❒ Press VOL▶ to select ON or OFF.

### Speakers

In AUDIO menu under SPEAKERS:




Press VOL▶ to select:

❒ ON - TV speakers operate normally.
❒ OFF & Variable Audio Out - TV speakers off - audio adjustable by television.
❒ OFF & Fixed Audio Out - TV speakers off - audio adjustable by the external amplifier only.



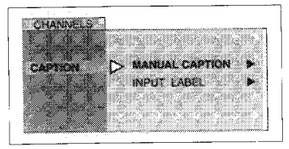


## CHANNELS

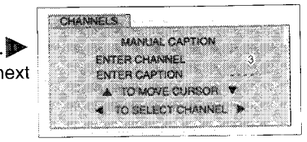
***Note:*** *Refer to page 14 for Icon Menu Navigation procedures.*

### Caption

❒ MANUAL CAPTION - Provide labels for up to 30 stations using up to four characters for each station.



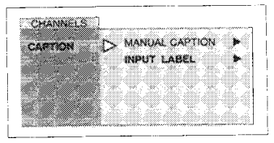

❒ Press VOL▶ to display next menu.



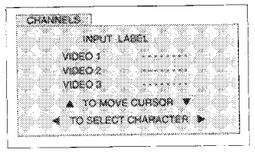

❒ Use remote numeric keypad to select desired channel (refer to your local TV guide).
❒ Press CH▼ to select ENTER CAPTION.
❒ Press ◀VOL or VOL▶ to select characters.

***Note:*** *Delete channel captions by entering spaces in all four character slots.*

❒ INPUT LABEL - Lets you label the video input connections for onscreen display.



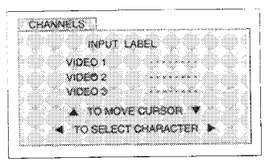

❒ Press VOL▶ to display next menu.




❒ Select the desired Video input.
❒ Press ◀VOL or VOL▶ to select the first character.
❒ Press CH▼ to enter the next position and repeat the step above to enter the next character.
❒ Repeat above steps until all characters are entered.

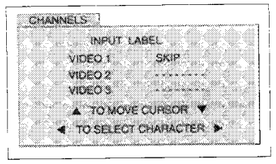
### Video Input Skip Feature

This receiver has a Video Input Skip Feature, which will allow the user to skip desired input modes when pressing TV/VIDEO button.




❒ Select the desired video input mode (VIDEO1, VIDEO2 or VIDEO3).
❒ Press ◀VOL while the first character is highlighed to skip selected video input.

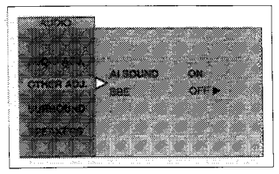
***Note:*** *To delete skip feature, press the volume right button while the desired video input mode is highlighted.*



## AUDIO (Contd.)

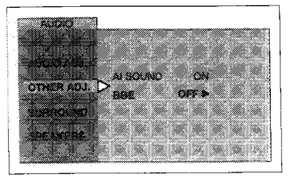
### Other ADJ.

❒ AI SOUND - Equalize overall volume levels across all channels. (AI sound is not available in VIDEO mode).




❒ Press VOL▶ to select ON or OFF.

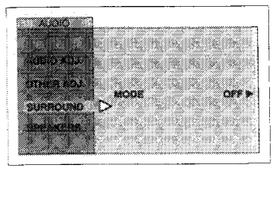
❒ BBE - BBE High Definition Sound improves the clarity of spoken words and widens the dynamic range of musical passages.




❒ Press VOL▶ to select ON or OFF.

### Surround

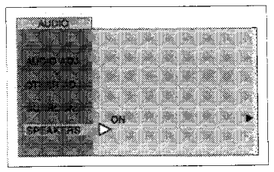
❒ MODE - Enhances audio response when listening to stereo.




❒ Press VOL▶ to select ON or OFF.

### Speakers

In AUDIO menu under SPEAKERS:




Press VOL▶ to select:

❒ ON - TV speakers operate normally.
❒ OFF & Variable Audio Out - TV speakers off - audio adjustable by television.
❒ OFF & Fixed Audio Out - TV speakers off - audio adjustable by the external amplifier only.



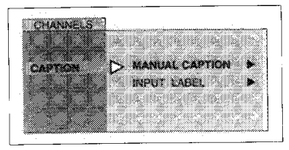


## CHANNELS

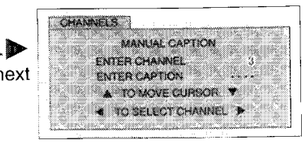
***Note:*** *Refer to page 14 for Icon Menu Navigation procedures.*

### Caption

❒ MANUAL CAPTION - Provide labels for up to 30 stations using up to four characters for each station.



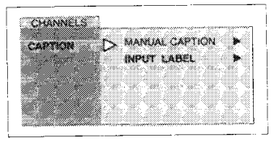

❒ Press VOL▶ to display next menu.



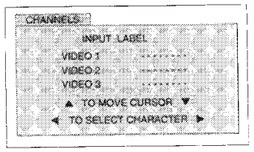

❒ Use remote numeric keypad to select desired channel (refer to your local TV guide).
❒ Press CH▼ to select ENTER CAPTION.
❒ Press ◀VOL or VOL▶ to select characters.

***Note:*** *Delete channel captions by entering spaces in all four character slots.*

❒ INPUT LABEL - Lets you label the video input connections for onscreen display.



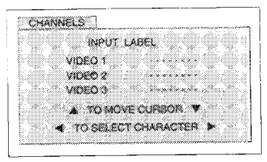

❒ Press VOL▶ to display next menu.




❒ Select the desired Video input.
❒ Press ◀VOL or VOL▶ to select the first character.
❒ Press CH▼ to enter the next position and repeat the step above to enter the next character.
❒ Repeat above steps until all characters are entered.

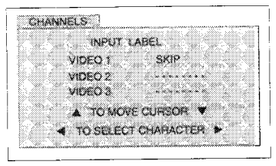
### Video Input Skip Feature

This receiver has a Video Input Skip Feature, which will allow the user to skip desired input modes when pressing TV/VIDEO button.




❒ Select the desired video input mode (VIDEO1, VIDEO2 or VIDEO3).
❒ Press ◀VOL while the first character is highlighed to skip selected video input.

***Note:*** *To delete skip feature, press the volume right button while the desired video input mode is highlighted.*



## LOCK

***Note:*** *Refer to page 14 for Icon Menu Navigation procedures.*

### Mode

### Lock Set

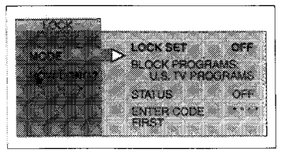
Select LOCK SET to prevent video games and VCR tapes from being viewed.

❒ Use the remote numeric keypad to enter a four-digit secret code (*Use a code that is easy to remember and record it in a safe place).*

***Notes:***

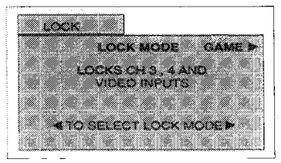
- If you do not remember your code, LOCK will unlock in 12, 24, or 48 hours, depending on the current setup. Be cautious when selecting ALWAYS. If ALWAYS is selected, and you forget your secret code, the TV must be serviced by a qualified technician to clear the LOCK setup.
- If you select CHANGE CODE, and you change your code from the one used in the LOCK menu, your new code becomes the controlling code.

❒ OFF - Turns Lock function off.




❒ Press VOL▶ to display LOCK MODE GAME menu.

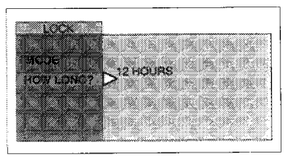
❒ GAME - Lock CH 3, 4 and Video inputs.



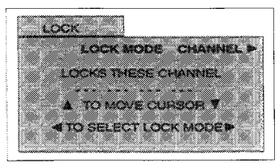

❒ Press ACTION twice.

❒ Press CH▼ to highlight HOW LONG?.

❒ Press VOL▶ to select 12 Hours, 24 Hours, 48 Hours or ALWAYS.




❒ CHANNELS - To lock up to four channels of your choice.



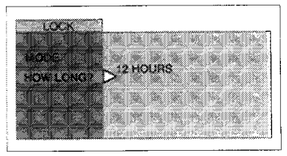

❒ Press CH▼ or CH▲ to move the cursor between channel clusters.

❒ Press ◀VOL or VOL▶ or the numeric keypad to select the channels to be blocked.

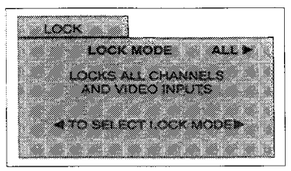
❒ Press ACTION twice.

❒ Press CH▼ to highlight HOW LONG?.

❒ Press VOL▶ to select 12 Hours, 24 Hours, 48 Hours or ALWAYS.



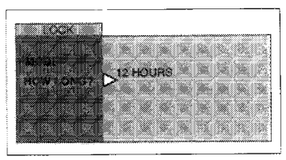

❒ ALL - Locks all channels and Video inputs.




❒ Press ACTION twice.

❒ Press CH▼ to highlight HOW LONG?.

❒ Press VOL▶ to select 12 , 24 or 48 hours or ALWAYS.




***Note:*** *If **GAME**, **CHANNEL** or **ALL** is selected, and if a blocked channel or video input is selected, the message **LOCKED** displays in the upper right corner of the TV screen.*



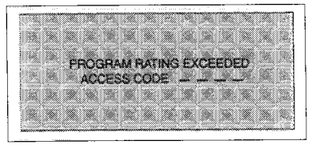


# V-CHIP Menu Operation

***Note:*** *Refer to page 14 for Icon Menu Navigation procedures.*

### BLOCKING MESSAGE

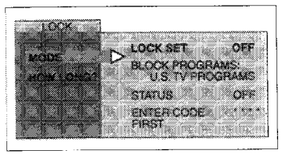
If V-Chip is enabled and the program exceeds the rating limit set by you, the blocking message will appear and the audio will be muted. Enter your four-digit secret code if you wish to continue viewing the program. After entering your code, all locks and rating blocks are disabled until the TV is turned off or until all settings are off.




***Note:*** *If you enter your four-digit secret code to override rating blocks, you must reset all rating blocks by either reprogramming or turning the TV off.*

### U.S. TV PROGRAMS

This TV model features the "V-Chip technology" which allows you to use U.S. TV PROGRAMS Guide ratings to block various types of TV programs.




❒ Use the numeric keypad to enter your four digit code.
***(Use a code that is easy to remember and record it in a safe place.)***

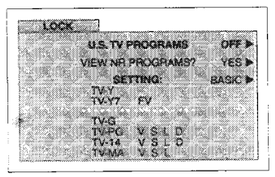
❒ Press CH▼ to enter the BLOCK PROGRAMS field.

❒ Press ◀VOL or VOL▶ to select U.S. TV PROGRAMS.

❒ Press CH▼ to highlight STATUS.

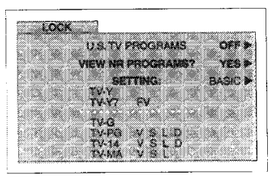
❒ Press ◀VOL or VOL▶ to display U.S TV PROGRAMS RATING CHART.

### U.S. TV Programs Rating




❒ Press VOL▶ to select U.S. TV PROGRAMS ON or OFF.

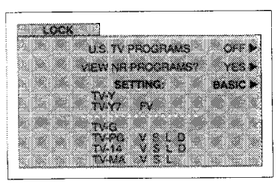
❒ Press CH▼ to select VIEW NR PROGRAMS?




❒ Press VOL▶ to select VIEW NR PROGRAMS? YES or NO.

***Note:*** *Selecting "Yes", NR programs will be received. Selecting "NO", NR programs will be blocked. See Customer Caution (p.24).*

❒ Press CH▼ to select SETTING.




❒ Press VOL▶ to select BASIC or DETAILED.

BASIC - Allows you to select only general ratings such as TV-Y, TV-PG, etc.

DETAILED - Allows you to select both general ratings and content such as V, L, etc.

## LOCK

***Note:*** *Refer to page 14 for Icon Menu Navigation procedures.*

### Mode

### Lock Set

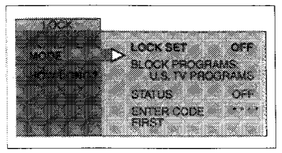
Select LOCK SET to prevent video games and VCR tapes from being viewed.

❒ Use the remote numeric keypad to enter a four-digit secret code (*Use a code that is easy to remember and record it in a safe place).*

***Notes:***

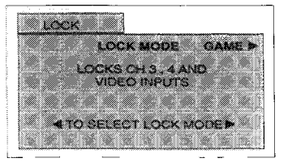
- If you do not remember your code, LOCK will unlock in 12, 24, or 48 hours, depending on the current setup. Be cautious when selecting ALWAYS. If ALWAYS is selected, and you forget your secret code, the TV must be serviced by a qualified technician to clear the LOCK setup.
- If you select CHANGE CODE, and you change your code from the one used in the LOCK menu, your new code becomes the controlling code.

❒ OFF - Turns Lock function off.




❒ Press VOL▶ to display LOCK MODE GAME menu.

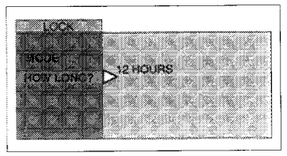
❒ GAME - Lock CH 3, 4 and Video inputs.



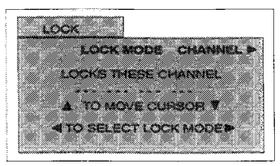

❒ Press ACTION twice.

❒ Press CH▼ to highlight HOW LONG?.

❒ Press VOL▶ to select 12 Hours, 24 Hours, 48 Hours or ALWAYS.




❒ CHANNELS - To lock up to four channels of your choice.



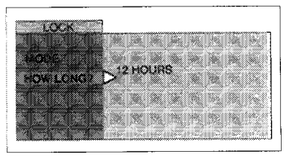

❒ Press CH▼ or CH▲ to move the cursor between channel clusters.

❒ Press ◀VOL or VOL▶ or the numeric keypad to select the channels to be blocked.

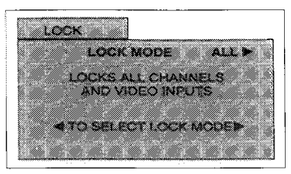
❒ Press ACTION twice.

❒ Press CH▼ to highlight HOW LONG?.

❒ Press VOL▶ to select 12 Hours, 24 Hours, 48 Hours or ALWAYS.



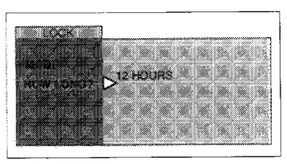

❒ ALL - Locks all channels and Video inputs.




❒ Press ACTION twice.

❒ Press CH▼ to highlight HOW LONG?.

❒ Press VOL▶ to select 12 , 24 or 48 hours or ALWAYS.




***Note:*** *If **GAME**, **CHANNEL** or **ALL** is selected, and if a blocked channel or video input is selected, the message **LOCKED** displays in the upper right corner of the TV screen.*



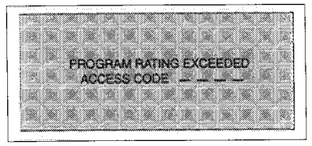


# V-CHIP Menu Operation

***Note:*** *Refer to page 14 for Icon Menu Navigation procedures.*

### BLOCKING MESSAGE

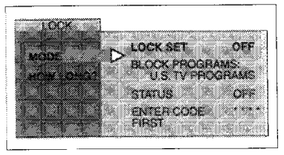
If V-Chip is enabled and the program exceeds the rating limit set by you, the blocking message will appear and the audio will be muted. Enter your four-digit secret code if you wish to continue viewing the program. After entering your code, all locks and rating blocks are disabled until the TV is turned off or until all settings are off.




***Note:*** *If you enter your four-digit secret code to override rating blocks, you must reset all rating blocks by either reprogramming or turning the TV off.*

### U.S. TV PROGRAMS

This TV model features the "V-Chip technology" which allows you to use U.S. TV PROGRAMS Guide ratings to block various types of TV programs.




❒ Use the numeric keypad to enter your four digit code.
***(Use a code that is easy to remember and record it in a safe place.)***

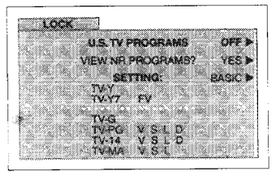
❒ Press CH▼ to enter the BLOCK PROGRAMS field.

❒ Press ◀VOL or VOL▶ to select U.S. TV PROGRAMS.

❒ Press CH▼ to highlight STATUS.

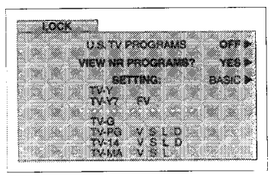
❒ Press ◀VOL or VOL▶ to display U.S TV PROGRAMS RATING CHART.

### U.S. TV Programs Rating




❒ Press VOL▶ to select U.S. TV PROGRAMS ON or OFF.

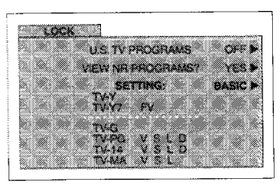
❒ Press CH▼ to select VIEW NR PROGRAMS?




❒ Press VOL▶ to select VIEW NR PROGRAMS? YES or NO.

***Note:*** *Selecting "Yes", NR programs will be received. Selecting "NO", NR programs will be blocked. See Customer Caution (p.24).*

❒ Press CH▼ to select SETTING.

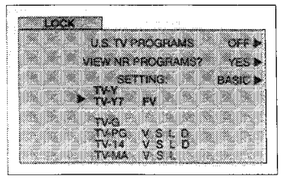



❒ Press VOL▶ to select BASIC or DETAILED.

BASIC - Allows you to select only general ratings such as TV-Y, TV-PG, etc.

DETAILED - Allows you to select both general ratings and content such as V, L, etc.

### U.S. TV Programs Menu Chart (contd.)




- ❒ Press CH ▲ or CH ▼ to move between different ratings.
- ❒ Use ◀ VOL or VOL ▶ to select ratings you want to block (RED) and unblock (GREEN).

***Note:*** *See the U.S. TV PROGRAMS RATINGS CHART.*

- ❒ Press ACTION twice to return to MODE in Lock menu.
- ❒ Press CH ▼ to select HOW LONG?
- ❒ Press ◀ VOL or VOL ▶ to select 12, 24, 48 hours or ALWAYS.

***Customer Caution***

The V-Chip system that is used in this set is capable of blocking "NR" programs (non rated, not applicable and none) per FCC Rules Section 15.120(e)(2). If the option of blocking "NR" programs is chosen "unexpected and possibly confusing results may occur, and you may not receive emergency bulletins or any of the following types of programming:"

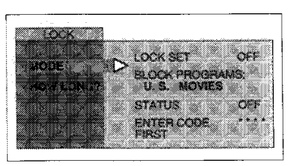
- Emergency Bulletins (Such as EAS messages, weather warnings and others)
- Locally originated programming
- News
- Political
- Public Service Announcements
- Religious
- Sports
- Weather

***U.S. TV PROGRAMS RATINGS CHART***

| | |
|---|---|
| **NR** | **Not Rated. SEE CUSTOMER CAUTION above.** |
| **TV-Y** | **All children.** The themes and elements in this program are specifically designed for a very young audience, including children from ages 2-6. |
| **TV-Y7** | **Directed to older children.** Themes and elements in this program may include mild physical or comedic violence, or may frighten children under the age of 7. |
| **TV-G** | **General audience**. It contains little or no violence, no strong language, and little or no sexual dialogue or situations. |
| **TV-PG** | **Parental guidance suggested**. The program may contain infrequent coarse language, limited violence, some suggestive sexual dialogue and situations. |
| **TV-14** | **Parents strongly cautioned**. This program may contain sophisticated themes, sexual content, strong language and more intense violence. |
| **TV-MA** | **Mature audiences only.** This program may contain mature themes, profane language, graphic violence, and explicit sexual content. |
| **FV** | **FANTASY/CARTOON VIOLENCE** |
| **V** | **VIOLENCE** |
| **S** | **SEX** |
| **L** | **OFFENSIVE LANGUAGE** |
| **D** | **DIALOGUE WITH SEXUAL CONTENT** |

### U.S. MOVIES

This TV model features the "V-Chip technology" which allows you to use Motion Picture Ratings when viewing movies or video tapes. This innovation allows parents to block various types of movies and video tapes at their discretion.

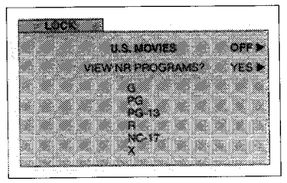



- ❒ Use the numeric keypad to enter your four digit code. (*Use a code that is easy to remember and record it in a safe place.*)
- ❒ Press CH ▼ to enter the BLOCK PROGRAMS field.
- ❒ Press ◀ VOL or VOL ▶ to select U.S. MOVIES.
- ❒ Press CH ▼ to highlight STATUS.
- ❒ Press ◀ VOL or VOL ▶ to display U.S MOVIES RATING CHART.

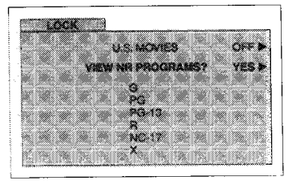




### U.S. Movies Menu

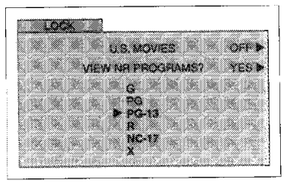



- ❒ Press VOL ▶ to select U.S. MOVIES ON or OFF.
- ❒ Press CH ▼ to select VIEW NR PROGRAMS?




Press VOL ▶ to select VIEW NR PROGRAMS? YES or NO.

***Note:*** *Some movies are not rated for a variety of reasons. Old movies and foreign films are usually not rated.*




**PG-13, R, NC-17 and X will be blocked.**

- ❒ Press CH ▲ or CH ▼ to move between different ratings.
- ❒ Use ◀ VOL or VOL ▶ to select ratings you want to block (**RED**) and unblock (**GREEN**).

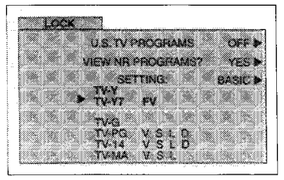
***Note:*** *See the U.S. MOVIES CHART.*

- ❒ Press ACTION twice to return to MODE in Lock menu.
- ❒ Press CH ▼ to select HOW LONG?
- ❒ Press ◀ VOL or VOL ▶ to select 12, 24, 48 hours or ALWAYS.

***U.S. MOVIES RATINGS CHART***

| | |
|---|---|
| **NR** | **CONTAINS NO RATING (NOT RATED) AND NA (NOT APPLICABLE) PROGRAMS**. Movie has not been rated or rating does not apply. |
| **G** | **GENERAL AUDIENCES.** All ages admitted. |
| **PG** | **PARENTAL GUIDANCE SUGGESTED.** Some material may not be suitable for children. |
| **PG-13** | **PARENTS STRONGLY CAUTIONED**. Some material may be inappropriate for children under 13. |
| **R** | **RESTRICTED.** Under 17 requires accompanying parent or adult guardian. |
| **NC-17** | **NO ONE 17 AND UNDER ADMITTED**. |
| **X** | **ADULTS ONLY.** |

## U.S. TV Programs Menu Chart (contd.)




- ❒ Press ▲ CH or CH ▼ to move between different ratings.
- ❒ Use ◀ VOL or VOL ▶ to select ratings you want to block (RED) and unblock (GREEN).

***Note:*** *See the U.S. TV PROGRAMS RATINGS CHART.*

- ❒ Press ACTION twice to return to MODE in Lock menu.
- ❒ Press CH ▼ to select HOW LONG?
- ❒ Press ◀ VOL or VOL ▶ to select 12, 24, 48 hours or ALWAYS.

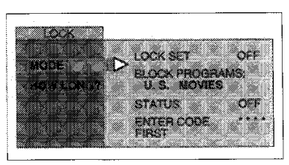
| ***Customer Caution*** |
|---|
| The V-Chip system that is used in this set is capable of blocking "NR" programs (non rated, not applicable and none) per FCC Rules Section 15.120(e)(2). If the option of blocking "NR" programs is chosen "unexpected and possibly confusing results may occur, and you may not receive emergency bulletins or any of the following types of programming:"<br>• Emergency Bulletins (Such as EAS messages, weather warnings and others)<br>• Locally originated programming<br>• News<br>• Political<br>• Public Service Announcements<br>• Religious<br>• Sports<br>• Weather |

***U.S. TV PROGRAMS RATINGS CHART***

| | |
|---|---|
| **NR** | **Not Rated. SEE CUSTOMER CAUTION above.** |
| **TV-Y** | **All children.** The themes and elements in this program are specifically designed for a very young audience, including children from ages 2-6. |
| **TV-Y7** | **Directed to older children.** Themes and elements in this program may include mild physical or comedic violence, or may frighten children under the age of 7. |
| **TV-G** | **General audience**. It contains little or no violence, no strong language, and little or no sexual dialogue or situations. |
| **TV-PG** | **Parental guidance suggested**. The program may contain infrequent coarse language, limited violence, some suggestive sexual dialogue and situations. |
| **TV-14** | **Parents strongly cautioned**. This program may contain sophisticated themes, sexual content, strong language and more intense violence. |
| **TV-MA** | **Mature audiences only.** This program may contain mature themes, profane language, graphic violence, and explicit sexual content. |
| **FV** | **FANTASY/CARTOON VIOLENCE** |
| **V** | **VIOLENCE** |
| **S** | **SEX** |
| **L** | **OFFENSIVE LANGUAGE** |
| **D** | **DIALOGUE WITH SEXUAL CONTENT** |

## U.S. MOVIES

This TV model features the "V-Chip technology" which allows you to use Motion Picture Ratings when viewing movies or video tapes. This innovation allows parents to block various types of movies and video tapes at their discretion.

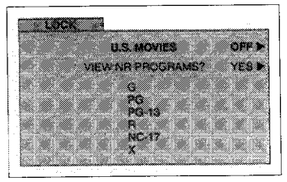



- ❒ Use the numeric keypad to enter your four digit code. (*Use a code that is easy to remember and record it in a safe place.*)
- ❒ Press CH ▼ to enter the BLOCK PROGRAMS field.
- ❒ Press ◀ VOL or VOL ▶ to select U.S. MOVIES.
- ❒ Press CH ▼ to highlight STATUS.
- ❒ Press ◀ VOL or VOL ▶ to display U.S MOVIES RATING CHART.

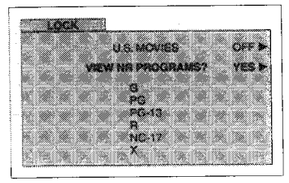




## U.S. Movies Menu

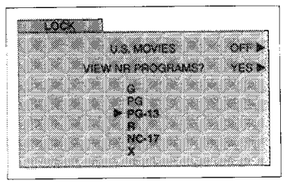



- ❒ Press VOL ▶ to select U.S. MOVIES ON or OFF.
- ❒ Press CH ▼ to select VIEW NR PROGRAMS?




Press VOL ▶ to select VIEW NR PROGRAMS? YES or NO.

***Note:*** *Some movies are not rated for a variety of reasons. Old movies and foreign films are usually not rated.*




**PG-13, R, NC-17 and X will be blocked.**

PG-13, R, NC-17 and X will be blocked.

- ❒ Press ▲ CH or CH ▼ to move between different ratings.
- ❒ Use ◀ VOL or VOL ▶ to select ratings you want to block (**RED**) and unblock (**GREEN**).

***Note:*** *See the U.S. MOVIES CHART.*

- ❒ Press ACTION twice to return to MODE in Lock menu.
- ❒ Press CH ▼ to select HOW LONG?
- ❒ Press ◀ VOL or VOL ▶ to select 12, 24, 48 hours or ALWAYS.

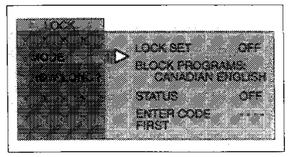
***U.S. MOVIES RATINGS CHART***

| | |
|---|---|
| **NR** | **CONTAINS NO RATING (NOT RATED) AND NA (NOT APPLICABLE) PROGRAMS**. Movie has not been rated or rating does not apply. |
| **G** | **GENERAL AUDIENCES.** All ages admitted. |
| **PG** | **PARENTAL GUIDANCE SUGGESTED.** Some material may not be suitable for children. |
| **PG-13** | **PARENTS STRONGLY CAUTIONED**. Some material may be inappropriate for children under 13. |
| **R** | **RESTRICTED.** Under 17 requires accompanying parent or adult guardian. |
| **NC-17** | **NO ONE 17 AND UNDER ADMITTED**. |
| **X** | **ADULTS ONLY.** |

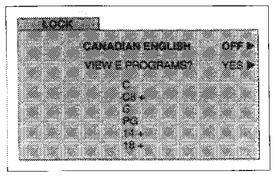
## Rating Systems for Canada

### Canadian English

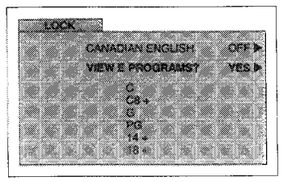
The V-CHIP used in this TV model allows you to block various types of movies and television programs based on the two rating systems used in Canada.




- ❒ Use the numeric keypad to enter your four digit code. (*Use a code that is easy to remember and record it in a safe place.*)
- ❒ Press CH ▼ to enter the BLOCK PROGRAMS field.
- ❒ Press ◀ VOL or VOL ▶ to select CANADIAN ENGLISH.
- ❒ Press CH ▼ to highlight STATUS.
- ❒ Press ◀ VOL or VOL ▶ to display CANADIAN ENGLISH RATING CHART.

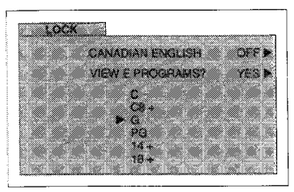



- ❒ Press VOL ▶ to select CANADIAN ENGLISH ON or OFF.
- ❒ Press CH ▼ to select VIEW E PROGRAMS?




Press VOL ▶ to select VIEW E PROGRAMS? YES or NO.

***Note:*** *Not rated programs include: news, sports, documentaries and other information programming, talk shows, music videos, and variety programming.*




- ❒ Press ▲ CH or CH ▼ to move between different ratings.
- ❒ Use ◀ VOL or VOL ▶ to select ratings you want to block (**RED**) and unblock (**GREEN**).

***Note:*** *See the U.S. MOVIES CHART.*

- ❒ Press ACTION ● twice to return to MODE in Lock menu.
- ❒ Press CH ▼ to select HOW LONG?
- ❒ Press ◀ VOL or VOL ▶ to select 12, 24, 48 hours or ALWAYS.

***CANADIAN ENGLISH RATINGS CHART***

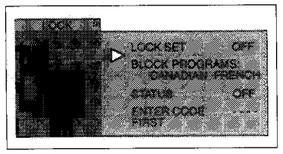
| | |
|---|---|
| **E** | **Exempt - Exempt programming includes: news, sports, documentaries and other information programming, talk shows, music videos, and variety programming.** |
| **C** | **Programming intended for children under age 8. No offensive language, nudity or sexual content.** |
| **C8+** | **Programming generally considered acceptable for children 8 years and over. No profanity, nudity or sexual content.** |
| **G** | **General programming, suitable for all audiences.** |
| **PG** | **Parental Guidance suggested. Some material may not be suitable for children.** |
| **14+** | **Programming contains themes or content which may not be suitable for viewers under the age of 14. Parents are strongly cautioned to exercise discretion in permitting viewing by pre-teens and early teens.** |
| **18** | **ADULTS ONLY** |



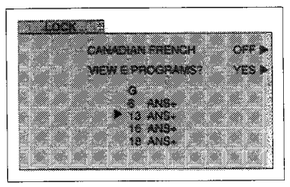


### Canadian French

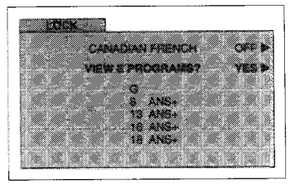
The V-CHIP used in this TV model also lets you block or unblock Canadian French programs according to various ratings categories.




- ❒ Use the numeric keypad to enter your four digit code. (*Use a code that is easy to remember and record it in a safe place.*)
- ❒ Press CH ▼ to enter the BLOCK PROGRAMS field.
- ❒ Press ◀ VOL or VOL ▶ to select CANADIAN FRENCH.
- ❒ Press CH ▼ to highlight STATUS.
- ❒ Press ◀ VOL or VOL ▶ to display CANADIAN FRENCH menu rating chart.

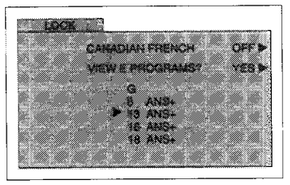



- ❒ Press VOL ▶ to select CANADIAN FRENCH ON or OFF.
- ❒ Press CH ▼ to select VIEW NR PROGRAMS?




- ❒ Press VOL ▶ to select VIEW E PROGRAMS? YES or NO.

***Note:*** *Not Rated programs include: news, sports, documentaries and other information programming, talk shows, music videos, and variety programming.*




**13ANS+, 16ANS+ and 18ANS+ will be blocked**

- ❒ Press ▲ CH or CH ▼ to move between different ratings.
- ❒ Use ◀ VOL or VOL ▶ to select ratings you want to block (**RED**) and unblock (**GREEN**).

***Note:*** *See the CANADIAN FRENCH RATING CHART.*

- ❒ Press ACTION ● twice to return to MODE in Lock menu.
- ❒ Press CH ▼ to select HOW LONG?
- ❒ Press ◀ VOL or VOL ▶ to select 12, 24, 48 hours or ALWAYS.

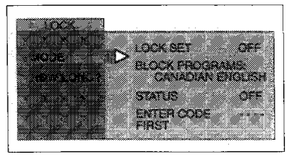
***CANADIAN FRENCH RATINGS CHART***

| | |
|---|---|
| **E** | **Exempt - Exempt programming.** |
| **G** | **General - Programming intended for audience of all ages. Contains no violence, or the violence content is minimal or is depicted appropriately.** |
| **8 ans +** | **8+ General - Not recommended for young children. Programming intended for a broad audience but contains light or occasional violence. Adult supervision recommended.** |
| **13 ans +** | **Programming may not be suitable for children under the age of 13 - Contains either a few violent scenes or one or more sufficiently violent scenes to affect them. Adult supervision strongly suggested.** |
| **16 ans +** | **Programming may not be suitable for children under the age of 16 - Contains frequent scenes of violence or intense violence.** |
| **18 ans +** | **Programming restricted to adults. Contains constant violence or scenes of extreme violence.** |

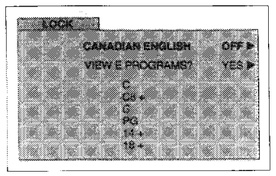
## Rating Systems for Canada

### Canadian English

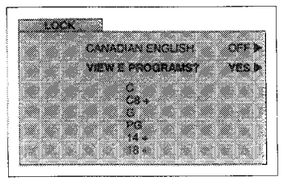
The V-CHIP used in this TV model allows you to block various types of movies and television programs based on the two rating systems used in Canada.




- ❒ Use the numeric keypad to enter your four digit code. (*Use a code that is easy to remember and record it in a safe place.*)
- ❒ Press CH ▼ to enter the BLOCK PROGRAMS field.
- ❒ Press ◀ VOL or VOL ▶ to select CANADIAN ENGLISH.
- ❒ Press CH ▼ to highlight STATUS.
- ❒ Press ◀ VOL or VOL ▶ to display CANADIAN ENGLISH RATING CHART.

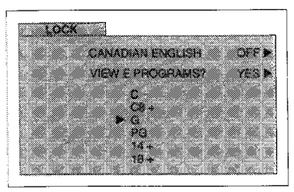



- ❒ Press VOL ▶ to select CANADIAN ENGLISH ON or OFF.
- ❒ Press CH ▼ to select VIEW E PROGRAMS?




Press VOL ▶ to select VIEW E PROGRAMS? YES or NO.

***Note:*** *Not rated programs include: news, sports, documentaries and other information programming, talk shows, music videos, and variety programming.*




- ❒ Press ▲ CH or CH ▼ to move between different ratings.
- ❒ Use ◀ VOL or VOL ▶ to select ratings you want to block (**RED**) and unblock (**GREEN**).

***Note:*** *See the U.S. MOVIES CHART.*

- ❒ Press ACTION ● twice to return to MODE in Lock menu.
- ❒ Press CH ▼ to select HOW LONG?
- ❒ Press ◀ VOL or VOL ▶ to select 12, 24, 48 hours or ALWAYS.

***CANADIAN ENGLISH RATINGS CHART***

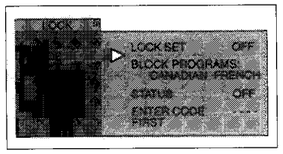
| | |
|---|---|
| **E** | **Exempt - Exempt programming includes: news, sports, documentaries and other information programming, talk shows, music videos, and variety programming.** |
| **C** | **Programming intended for children under age 8. No offensive language, nudity or sexual content.** |
| **C8+** | **Programming generally considered acceptable for children 8 years and over. No profanity, nudity or sexual content.** |
| **G** | **General programming, suitable for all audiences.** |
| **PG** | **Parental Guidance suggested. Some material may not be suitable for children.** |
| **14+** | **Programming contains themes or content which may not be suitable for viewers under the age of 14. Parents are strongly cautioned to exercise discretion in permitting viewing by pre-teens and early teens.** |
| **18** | **ADULTS ONLY** |



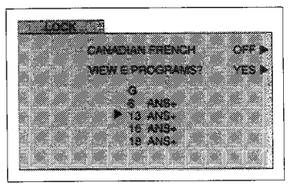


### Canadian French

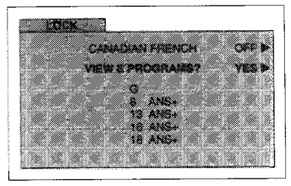
The V-CHIP used in this TV model also lets you block or unblock Canadian French programs according to various ratings categories.




- ❒ Use the numeric keypad to enter your four digit code. (*Use a code that is easy to remember and record it in a safe place.*)
- ❒ Press CH ▼ to enter the BLOCK PROGRAMS field.
- ❒ Press ◀ VOL or VOL ▶ to select CANADIAN FRENCH.
- ❒ Press CH ▼ to highlight STATUS.
- ❒ Press ◀ VOL or VOL ▶ to display CANADIAN FRENCH menu rating chart.

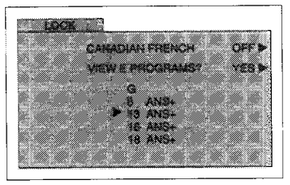



- ❒ Press VOL ▶ to select CANADIAN FRENCH ON or OFF.
- ❒ Press CH ▼ to select VIEW NR PROGRAMS?




- ❒ Press VOL ▶ to select VIEW E PROGRAMS? YES or NO.

***Note:*** *Not Rated programs include: news, sports, documentaries and other information programming, talk shows, music videos, and variety programming.*




**13ANS+, 16ANS+ and 18ANS+ will be blocked**

- ❒ Press ▲ CH or CH ▼ to move between different ratings.
- ❒ Use ◀ VOL or VOL ▶ to select ratings you want to block (**RED**) and unblock (**GREEN**).

***Note:*** *See the CANADIAN FRENCH RATING CHART.*

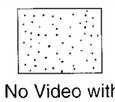
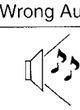
- ❒ Press ACTION ● twice to return to MODE in Lock menu.
- ❒ Press CH ▼ to select HOW LONG?
- ❒ Press ◀ VOL or VOL ▶ to select 12, 24, 48 hours or ALWAYS.

***CANADIAN FRENCH RATINGS CHART***

| | |
|---|---|
| **E** | **Exempt - Exempt programming.** |
| **G** | **General - Programming intended for audience of all ages. Contains no violence, or the violence content is minimal or is depicted appropriately.** |
| **8 ans +** | **8+ General - Not recommended for young children. Programming intended for a broad audience but contains light or occasional violence. Adult supervision recommended.** |
| **13 ans +** | **Programming may not be suitable for children under the age of 13 - Contains either a few violent scenes or one or more sufficiently violent scenes to affect them. Adult supervision strongly suggested.** |
| **16 ans +** | **Programming may not be suitable for children under the age of 16 - Contains frequent scenes of violence or intense violence.** |
| **18 ans +** | **Programming restricted to adults. Contains constant violence or scenes of extreme violence.** |

## Troubleshooting Chart

Before calling for service, determine the symptoms and follow suggested solutions.

| AUDIO | VIDEO | Solutions |
|---|---|---|
| Noisy Audio | Snowy Video | Adjust Antenna Location and Connection |
| Noisy Audio | Multiple Image | Adjust Antenna Location and Connection<br>Check Antenna Lead-in Wire |
| Noisy Audio | Interference | Move television from Electrical Appliances, Lights, Vehicles and Medical Equipment |
| No Audio | Normal Video | Increase Volume<br>Check Mute<br>Check television SPEAKERS on/off<br>Change Channel |
| Noisy Audio |  No Video with Snow | Set TV or Cable Mode Properly<br>Check Antenna Cables |
| No Audio | No Video | Check Power Cord is Plugged into Active Outlet<br>Adjust Brightness and Audio Controls<br>Change Channel<br>Check Cable Connections<br>Program the Remote Control Again<br>Check Second Video Source Operation |
| Normal Audio | No Color | Adjust Color Settings<br>Change Channel |
| Wrong Audio | Normal Video | Check Audio Is Set To Stereo or Mono, Not SAP |
|  Normal Audio | Normal Video | Replace Remote Control Batteries |
| Intermittent Remote Control Operation | | |





**PANASONIC CONSUMER ELECTRONICS COMPANY,**
**DIVISION OF:**
**MATSUSHITA ELECTRIC CORPORATION OF AMERICA**
**One Panasonic Way**
**Secaucus, New Jersey 07094**

**PANASONIC SALES COMPANY,**
**DIVISION OF:**
**MATSUSHITA ELECTRIC OF PUERTO RICO,**
**INC., Ave. 65 de Infanteria, Km. 9.5**
**San Gabriel Industrial Park**
**Carolina, Puerto Rico 00985**

# Panasonic Color Television Limited Warranty

### Limited Warranty Coverage

If your product does not work properly because of a defect in materials or workmanship, Panasonic Consumer Electronics Company or Panasonic Sales Company (collectively referred to as "the warrantor") will, for the length of the period indicated on the chart below, which starts with the date of original purchase ("warranty period"), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.

| TV CATEGORIES | ALL PARTS EXCEPT CRT | CRT | LABOR | SERVICE |
|---|---|---|---|---|
| 22"-27" diagonal | 1 (ONE) YEAR | 2 (TWO) YEARS | 90 DAYS | IN-HOME OR CARRY-IN |

During the "Labor" warranty period there will be no charge for labor. During the "Parts" warranty period, there will be no charge for parts. You must carry-in your product or arrange for in-home service (in-home service available only for 22" [diagonal] and larger screen), as applicable, during the warranty period. If non-rechargeable batteries are included, they are not warranted. This warranty only applies to products purchased and serviced in the United States or Puerto Rico. This warranty is extended only to the original purchaser of a new product which was not sold "as is". A purchase receipt or other proof of the original purchase date is required for warranty service.

### Carry-in or In-Home Service

For Carry-In or In-Home Service (as applicable) in the United States call 1-800-211-PANA(7262) or visit Panasonic Web Site: http://www.panasonic.com
For assistance in Puerto Rico call Panasonic Sales Company (787)-750-4300 or fax (787)-768-2910.

In-Home service, if applicable, requires clear, complete and easy access to the product by the authorized servicer and does not include removal or re-installation of an installed product. It is possible that certain in-home repairs will not be completed in-home, but will require that the product, or parts of the product, be removed for shop diagnosis and/or repair and then returned.

**Limited Warranty continued on next page**

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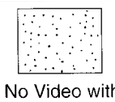
| Noisy Audio |  No Video with Snow | Set TV or Cable Mode Properly<br>Check Antenna Cables |
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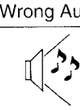
|  Normal Audio | Normal Video | Replace Remote Control Batteries |
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**Limited Warranty continued on next page**

**Limited Warranty continued from previous page**

### Limited Warranty Limits And Exclusions

This warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage, nor does it cover markings or retained images on the picture tube resulting from viewing fixed images (including, among other things, letterbox pictures on standard 4:3 screen TV's, or non-expanded standard 4:3 pictures on wide screen TV's, or onscreen data in a stationary and fixed location). The warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by the warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, or commercial use (such as in a hotel, office, restaurant, or other business), rental use of the product, service by anyone other than a Factory Servicenter or other Authorized Servicer, or damage that is attributable to acts of God.

**THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE". THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY.** (As examples, this excludes damages for lost time, cost of having someone remove or re-install an installed unit if applicable, or travel to and from the servicer. The items listed are not exclusive, but are for illustration only.) **ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY, ARE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY.**

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the exclusions may not apply to you.

This warranty gives you specific legal rights and you may also have others rights which vary from state to state. If a problem with this product develops during or after the warranty period, you may contact your dealer or Servicenter. If the problem is not handled to your satisfaction, then write to the warrantor's Consumer Affairs Department at the addresses listed for the warrantor.

**PARTS AND SERVICE (INCLUDING COST OF AN IN-HOME SERVICE CALL, WHERE APPLICABLE) WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY ARE YOUR RESPONSIBILITY.**





***For Product Information, Operating Assistance, Literature Request, Dealer Locations, and all Customer Service inquiries please contact:***
***1-800-211-PANA (7262), Monday-Friday 9am - 9pm; Saturday-Sunday 9am - 7pm, EST.***

***Web Site: http://www.panasonic.com***
***You can purchase parts, accessories or locate your nearest servicenter by visiting our Web Site.***

***Accessory Purchases:***
**1-800-332-5368 (Customer Orders Only)**
**Panasonic Services Company 20421 84th Avenue South, Kent, WA 98032**
**(6 am to 5 pm Monday - Friday; 6 am to 10:30 am Saturday; PST)**
**(Visa, MasterCard, Discover Card, American Express, Check)**

***Service in Puerto Rico***
***Matsushita Electric of Puerto Rico, Inc. Panasonic Sales Company/Factory Servicenter:***
***Ave. 65 de Infanteria, Km. 9.5, San Gabriel Industrial Park, Carolina, Puerto Rico 00985***
***Phone (787) 750-4300 Fax (787) 768-2910***

## LIMITED WARRANTY (For models sold in Canada only)

**Panasonic Canada Inc.**
5770 Ambler Drive, Mississauga, Ontario L4W 2T3

### PANASONIC PRODUCT - LIMITED WARRANTY

Panasonic Canada Inc. warrants this product to be free from defects in material and workmanship and agrees to remedy any such defect for a period as stated below from the date of original purchase.

| | | |
|---|---|---|
| **TELEVISION:** | | |
| **21" and under** | **Carry-in Service only** | **Two (2) years, parts (including Picture Tube) and labour** |
| **22" and over** | **In-home Service** | **Two (2) years, parts (including Picture Tube) and labour** |

**LIMITATIONS AND EXCLUSIONS**

This warranty does not apply to products purchased outside Canada or to any product which has been improperly installed, subjected to usage for which the product was not designed, misused or abused, damaged during shipping, or which has been altered or repaired in any way that affects the reliability or detracts from the performance, nor does it cover any product which is used commercially. Dry cell batteries are also excluded from coverage under this warranty.
This warranty is extended to the original end user purchaser only. A purchase receipt or other proof of date of original purchase is required before warranty service is performed.

**THIS EXPRESS, LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, EXCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.**

**IN NO EVENT WILL PANASONIC CANADA INC. BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES.**

In certain instances, some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, or the exclusion of implied warranties, so the above limitations and exclusions may not be applicable.

**WARRANTY SERVICE**

**For product operation and information assistance**, please contact your Dealer or our Customer Care Centre at:
Telephone #: (905) 624-5505 Fax #: (905) 238-2360 Web: www.panasonic.ca

**For product repairs**, please contact one of the following:

- Your Dealer who will inform you of an authorized Servicentre nearest you.
- Our Customer Care Centre at (905) 624-5505 or www.panasonic.ca
- A Panasonic Factory Servicentre listed below:

| Richmond, British Columbia | Calgary, Alberta | Mississauga, Ontario | Lachine, Québec |
|---|---|---|---|
| Panasonic Canada Inc.<br>12111 Riverside Way<br>Richmond, BC V6W 1K8<br>Tel: (604) 278-4211<br>Fax: (604) 278-5627 | Panasonic Canada Inc.<br>6835-8th St. N. E.<br>Calgary, AB T2E 7H7<br>Tel: (403) 295-3955<br>Fax: (403) 274-5493 | Panasonic Canada Inc.<br>5770 Ambler Dr.<br>Mississauga, ON L4W 2T3<br>Tel: (905) 624-8447<br>Fax: (905) 238-2418 | Panasonic Canada Inc.<br>3075, rue Louis A. Amos<br>Lachine, QC H8T 1C4<br>Tel: (514) 633-8684<br>Fax: (514) 633-8020 |

**IF YOU SHIP THE PRODUCT TO A SERVICENTRE**

Carefully pack and send prepaid, adequately insured and preferably in the original carton.
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In certain instances, some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, or the exclusion of implied warranties, so the above limitations and exclusions may not be applicable.

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## NOTES

**Panasonic Consumer Electronics Company,**
**Division of Matsushita**
**Electric Corporation of America**
One Panasonic Way
Secaucus, New Jersey 07094
www.panasonic.com

**Panasonic Sales Company,**
**Division of Matsushita Electric**
**of Puerto Rico Inc. ("PSC")**
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**Panasonic Canada Inc.**
5770 Ambler Drive
Mississauga, Ontario
Canada L4W 2T3
Tel.: (905) 624-5010
Fax: (905) 624-9714
www.panasonic.ca



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**Panasonic®** **Quasar®**

# IMPORTANT SAFETY INSTRUCTIONS

**WARNING**

**RISK OF ELECTRIC SHOCK.**
**DO NOT OPEN.**

**WARNING: To reduce the risk of electric shock do not remove cover or back. No user-serviceable parts inside. Refer servicing to qualified service personnel.**

The lightning flash with arrow head within a triangle is intended to tell the user that parts inside the product are a risk of electric shock to persons.

The exclamation point within a triangle is intended to tell the user that important operating and servicing instructions are in the papers with the appliance.

**WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE**

## IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all the instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions
8. Do not install near any heat sources such as radiators, heat registers, stoves, or others apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider that the other. A grounding type plug has two blades and a third grounding prong. The wide blade and the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where the they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lighting storms or when unused for long periods of time.
14. Refer all servicing to qualified service personal. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

PRINTED IN USA
*IMPRESO EN LOS EE.UU.*
*IMPRIMÉ AUX ÉTATS-UNIS*
TQD2AA19096
As of July 13th 2000

# Thanks for choosing Panasonic!

We truly appreciate your partnership with Panasonic and expect that your new purchase will live up to your high performance standards for years to come! To thank you for your partnership, we'd like to tell you about **TWO IMPORTANT BENEFITS** you can receive simply by completing and returning the following Owner Information Card.

- **Product Safety Notification.** Registering your product can help us to contact you in the unlikely event a safety notification is required under the Consumer Product Safety Act.
- **Improved Product Development.** To continue to deliver products that meet your changing needs, we need to know about the types of people who buy Panasonic products and their reasons for doing so. Returning this card ensures that your voice will be heard.

To receive these important benefits, please complete and return the following Owner Information Card within 10 days. Thanks again for choosing Panasonic – we look forward to hearing from you!

---

**Panasonic**

***IMPORTANT! IMPORTANT!***
***Please fill out and return within 10 days!***
It is not necessary to return this card in order to effectuate the limited warranty.

92X01-0 2
TV

1. 1. ☐ Mr. 2. ☐ Mrs. 3. ☐ Ms. 4. ☐ Miss
First Name | Initial | Last Name

Street | Apt. No.

City | State | ZIP Code

2. Home Telephone No.: ___ ___ - ____ (Area Code)

3. Date of Purchase: Month ___ Day ___ Year ___

4. A. What is this product's model number?

B. What is the serial number?

5. What price did you pay? $ ____ .00

6. Name of the store where purchased:

7. Did you purchase or receive an extended service contract with your product?
1. ☐ Yes 2. ☐ No

8. Is this product: (Check all that apply.)
1. ☐ The first product of this type you've ever purchased?
2. ☐ A replacement for another product?
3. ☐ An additional product (already own one other)?
4. ☐ An additional product (already own 2 or more other products)?

9. Where was this product purchased?
1. ☐ Received as a gift
2. ☐ Mass merchandise store (Sears, JCPenney, Wards, etc.)
3. ☐ Department store
4. ☐ TV/Appliance store
5. ☐ Discount store (Kmart, Wal-Mart, Target, etc.)
6. ☐ Audio/Video specialty store
7. ☐ HiFi store
8. ☐ Superstore (Silo, Circuit City,Lechmere, BestBuy)
9. ☐ Catalog showroom
10. ☐ Membership warehouse
11. ☐ Camera store
12. ☐ Computer store
13. ☐ Catalog mail order
14. ☐ Furniture store
15. ☐ Drug store
16. ☐ Hardware store
17. ☐ Telephone specialty store
18. ☐ Military PX
19. ☐ Other _____

10. What were the most important factors that influenced your selection of this product? (Check up to two responses.)
1. ☐ Trust in Panasonic
2. ☐ Price
3. ☐ Quality
4. ☐ Features
5. ☐ Appearance/Design
6. ☐ Ease of operation
7. ☐ Size
8. ☐ Warranty/Service
9. ☐ Finish/Color
10. ☐ Recommendation
11. ☐ Other _____

11. What product features most influenced your decision to select this Panasonic model? (Check up to two responses.)
1. ☐ Remote control
2. ☐ Stereo sound
3. ☐ AC/DC battery operation
4. ☐ Dual RF antenna
5. ☐ Cabinet size
6. ☐ Cabinet design
7. ☐ Picture-in-picture capability
8. ☐ "Dome" sound system
9. ☐ Surround sound
10. ☐ Remote menu tuning system
11. ☐ A/V jack pack
12. ☐ VCR storage
13. ☐ Other _____

12. How is this Panasonic TV connected to receive a TV signal?
1. ☐ Sets own antenna (i.e., rabbit ears)
2. ☐ Home indoor/outdoor antenna system
3. ☐ Pay cable
4. ☐ Satellite reception
5. ☐ Other _____

13. What other brands did you seriously consider before selecting this Panasonic product?
1. ☐ Did not consider any other brands
2. ☐ General Electric
3. ☐ Hitachi
4. ☐ JVC
5. ☐ Magnavox
6. ☐ Mitsubishi (MGA)
7. ☐ Pro Scan
8. ☐ Quasar
9. ☐ RCA
10. ☐ Sears (LXI)
11. ☐ Sharp
12. ☐ Sony
13. ☐ Sylvania
14. ☐ Toshiba
15. ☐ Zenith
16. ☐ Other _____

14. Excluding this purchase, what other electronic equipment do you currently own or intend to purchase within the next 6 months? (Check all that apply.)

| | Please check if currently own | Please check if it is Panasonic or Technics | Please check if intend to purchase within next 6 months |
|---|---|---|---|
| VCR | 1. ☐ | 1. ☐ | 1. ☐ |
| Camcorder | 2. ☐ | 2. ☐ | 2. ☐ |
| Large screen color TV (27" & over) | 3. ☐ | 3. ☐ | 3. ☐ |
| Projection TV | 4. ☐ | 4. ☐ | 4. ☐ |
| Stereo system | 5. ☐ | 5. ☐ | 5. ☐ |
| Compact disc player | 6. ☐ | 6. ☐ | 6. ☐ |
| Laser disc player | 7. ☐ | 7. ☐ | 7. ☐ |
| TV with built-in VCR | 8. ☐ | 8. ☐ | 8. ☐ |
| Digital mixer | 9. ☐ | 9. ☐ | 9. ☐ |
| Portable audio | 10. ☐ | 10. ☐ | 10. ☐ |
| Telephone answering machine | 11. ☐ | 11. ☐ | 11. ☐ |
| Cordless phone | 12. ☐ | 12. ☐ | 12. ☐ |
| Facsimile machine | 13. ☐ | 13. ☐ | 13. ☐ |
| Word processor | 14. ☐ | 14. ☐ | 14. ☐ |
| Home computer | 15. ☐ | 15. ☐ | 15. ☐ |
| Microwave oven | 16. ☐ | 16. ☐ | 16. ☐ |
| Air conditioner | 17. ☐ | 17. ☐ | 17. ☐ |
| Vacuum cleaner | 18. ☐ | 18. ☐ | 18. ☐ |
| Other _____ | 19. ☐ | 19. ☐ | 19. ☐ |

15. Date of birth of person whose name appears above: Month ___ Year 1 9 ___

16. Excluding yourself, what is the SEX and AGE (in years) of children and other adults living in your household?
1. ☐ No one else in household

| Male | Female | Age | Male | Female | Age |
|---|---|---|---|---|---|
| 1. ☐ | 2. ☐ | ___ years | 1. ☐ | 2. ☐ | ___ years |

17. Marital Status:
1. ☐ Married
2. ☐ Divorced/Separated
3. ☐ Widowed
4. ☐ Never Married (Single)

18. Occupation:

| | You | Spouse |
|---|---|---|
| Homemaker | ☐ 1. | ☐ |
| Professional/Technical | ☐ 2. | ☐ |
| Upper Management/Executive | ☐ 3. | ☐ |
| Middle Management | ☐ 4. | ☐ |
| Sales/Marketing | ☐ 5. | ☐ |
| Clerical or Service Worker | ☐ 6. | ☐ |
| Tradesman/Machine Oper./Laborer | ☐ 7. | ☐ |
| Retired | ☐ 8. | ☐ |
| Student | ☐ 9. | ☐ |
| Self Employed/Business Owner | ☐ 10. | ☐ |
| Work from Home Office | ☐ 11. | ☐ |

19. Which group describes your annual family income?
1. ☐ Under $15,000
2. ☐ $15,000-$19,999
3. ☐ $20,000-$24,999
4. ☐ $25,000-$29,999
5. ☐ $30,000-$34,999
6. ☐ $35,000-$39,999
7. ☐ $40,000-$44,999
8. ☐ $45,000-$49,999
9. ☐ $50,000-$59,999
10. ☐ $60,000-$74,999
11. ☐ $75,000-$99,999
12. ☐ $100,000-$124,999
13. ☐ $125,000-$149,999
14. ☐ $150,000 & over

20. Level of Education: (Check highest level completed.)

| | You | Spouse |
|---|---|---|
| Some High School or Less | ☐ 1. | ☐ |
| Completed High School | ☐ 2. | ☐ |
| Some College | ☐ 3. | ☐ |
| Completed College | ☐ 4. | ☐ |
| Some Graduate School | ☐ 5. | ☐ |
| Completed Graduate School | ☐ 6. | ☐ |
| Have Attended Vocational/Technical School | ☐ 7. | ☐ |

*Please continue on back!* ☞ ☞

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**PRODUCT SAFETY NOTIFICATION**

**IMPROVED PRODUCT DEVELOPMENT**

**Panasonic**

See details inside...

TQD2A81701-2

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**Customer Service Center**
**Matsushita Electric Corporation of America**
**50 Meadowland Parkway**
**Secaucus, NJ 07094**

**Panasonic**
**PANASONIC COMPANY**
**P O BOX 17509**
**DENVER CO 80217-0509**

92X01-02

**21** **Which credit cards do you use regularly?**
1. ☐ American Express, Diners Club
2. ☐ MasterCard, Visa, Discover
3. ☐ Department Store, Oil Company, etc.
4. ☐ Do not use credit cards

**22** **For your primary residence, do you:**
1. ☐ Own a House?
2. ☐ Own a Townhouse or Condominium?
3. ☐ Rent a House?
4. ☐ Rent an Apartment, Townhouse or Condominium?

**23** **Which of the following do you plan to do in the next six or twelve months?**

| | 6 Months | | 12 Months |
|---|---|---|---|
| Get Married | ☐ | 1. | ☐ |
| Have a Baby | ☐ | 2. | ☐ |
| Buy a House | ☐ | 3. | ☐ |
| Remodel a Home | ☐ | 4. | ☐ |
| Move to a New Residence | ☐ | 5. | ☐ |
| Change Jobs | ☐ | 6. | ☐ |
| Retire | ☐ | 7. | ☐ |

**24** **To help us understand our customers' lifestyles, please indicate the interests and activities in which you and/or your spouse enjoy participating on a regular basis.**

01. ☐ Bicycling Frequently
02. ☐ Golf
03. ☐ Physical Fitness/Exercise
04. ☐ Running/Jogging
05. ☐ Snow Skiing Frequently
06. ☐ Tennis Frequently
07. ☐ Camping/Hiking
08. ☐ Fishing Frequently
09. ☐ Hunting/Shooting
10. ☐ Power Boating
11. ☐ Sailing
12. ☐ House Plants
13. ☐ Grandchildren
14. ☐ Needlework/Knitting
15. ☐ Vegetable Gardening
16. ☐ Flower Gardening
17. ☐ Sewing
18. ☐ Crafts
19. ☐ Automotive Work
20. ☐ Electronics
21. ☐ Home Workshop/Do It Yourself
22. ☐ Recreational Vehicles
23. ☐ Listen to Records/Tapes/CDs
24. ☐ Buy Pre-Recorded Videos
25. ☐ Avid Book Reading
26. ☐ Bible/Devotional Reading
27. ☐ Health/Natural Foods
28. ☐ Photography
29. ☐ Home Decorating/Furnishing
30. ☐ Attending Cultural/Arts Events
31. ☐ Fashion Clothing
32. ☐ Fine Art/Antiques
33. ☐ Foreign Travel
34. ☐ Travel in the USA
35. ☐ Travel for Pleasure/Vacation
36. ☐ Gourmet Cooking
37. ☐ Wines
38. ☐ Coin/Stamp Collecting
39. ☐ Collectibles/Collections
40. ☐ Our Nation's Heritage
41. ☐ Real Estate Investments
42. ☐ Stock/Bond Investments
43. ☐ Entering Sweepstakes
44. ☐ Casino Gambling
45. ☐ Science Fiction
46. ☐ Wildlife/Animal Protection
47. ☐ Environmental Issues
48. ☐ Dieting/Weight Control
49. ☐ Science/New Technology
50. ☐ Self Improvement
51. ☐ Walking for Health
52. ☐ Watching Sports on TV
53. ☐ Community/Civic Activities
54. ☐ Home Video Games
55. ☐ Motorcycles
56. ☐ Improving Your Health
57. ☐ Home Video Recording
58. ☐ Career-Oriented Activities
59. ☐ Moneymaking Opportunities
60. ☐ Current Affairs/Politics

**25** **Using the numbers in the above list, please indicate the 3 most important activities for:** **You** ____ ____ ____ **Spouse** ____ ____ ____

**26** **Please check all that apply to your household.**
1. ☐ Shop by Catalog/Mail Order
2. ☐ Military Veteran in Household
3. ☐ Member of Frequent Flyer Program
4. ☐ Travel for Business
5. ☐ Support Health Charities
6. ☐ Subscribe to Cable TV
7. ☐ Have a Camcorder
8. ☐ Have a CD Player
9. ☐ Use an IBM Compatible PC
10. ☐ Use an Apple/Macintosh Computer
11. ☐ Have a Dog
12. ☐ Have a Cat
13. ☐ Own a Vacation Home/Property
14. ☐ Own a Cellular Phone

Thanks for taking the time to fill out this questionnaire. Your answers will be used for market research studies and reports. They will also allow you to receive important mailings and special offers from a number of fine companies whose products and services relate directly to the specific interests, hobbies, and other information indicated above. Through this selective program, you will be able to obtain more information about activities in which you are involved and less about those in which you are not. Please check here if, for some reason, you would prefer *not* to participate in this opportunity. ☐

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| Buy a House | ☐ | 3. | ☐ |
| Remodel a Home | ☐ | 4. | ☐ |
| Move to a New Residence | ☐ | 5. | ☐ |
| Change Jobs | ☐ | 6. | ☐ |
| Retire | ☐ | 7. | ☐ |

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04. ☐ Running/Jogging
05. ☐ Snow Skiing Frequently
06. ☐ Tennis Frequently
07. ☐ Camping/Hiking
08. ☐ Fishing Frequently
09. ☐ Hunting/Shooting
10. ☐ Power Boating
11. ☐ Sailing
12. ☐ House Plants
13. ☐ Grandchildren
14. ☐ Needlework/Knitting
15. ☐ Vegetable Gardening
16. ☐ Flower Gardening
17. ☐ Sewing
18. ☐ Crafts
19. ☐ Automotive Work
20. ☐ Electronics
21. ☐ Home Workshop/Do It Yourself
22. ☐ Recreational Vehicles
23. ☐ Listen to Records/Tapes/CDs
24. ☐ Buy Pre-Recorded Videos
25. ☐ Avid Book Reading
26. ☐ Bible/Devotional Reading
27. ☐ Health/Natural Foods
28. ☐ Photography
29. ☐ Home Decorating/Furnishing
30. ☐ Attending Cultural/Arts Events
31. ☐ Fashion Clothing
32. ☐ Fine Art/Antiques
33. ☐ Foreign Travel
34. ☐ Travel in the USA
35. ☐ Travel for Pleasure/Vacation
36. ☐ Gourmet Cooking
37. ☐ Wines
38. ☐ Coin/Stamp Collecting
39. ☐ Collectibles/Collections
40. ☐ Our Nation's Heritage
41. ☐ Real Estate Investments
42. ☐ Stock/Bond Investments
43. ☐ Entering Sweepstakes
44. ☐ Casino Gambling
45. ☐ Science Fiction
46. ☐ Wildlife/Animal Protection
47. ☐ Environmental Issues
48. ☐ Dieting/Weight Control
49. ☐ Science/New Technology
50. ☐ Self Improvement
51. ☐ Walking for Health
52. ☐ Watching Sports on TV
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54. ☐ Home Video Games
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4. ☐ Travel for Business
5. ☐ Support Health Charities
6. ☐ Subscribe to Cable TV
7. ☐ Have a Camcorder
8. ☐ Have a CD Player
9. ☐ Use an IBM Compatible PC
10. ☐ Use an Apple/Macintosh Computer
11. ☐ Have a Dog
12. ☐ Have a Cat
13. ☐ Own a Vacation Home/Property
14. ☐ Own a Cellular Phone

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- □ **Labor to complete repairs.**
- □ **Replacement parts.**
- □ **Electronic or mechanical adjustments.**
- □ **Specified internal cleaning**
- □ **Requested preventive maintenance.**
- □ **No hidden charges or deductibles. Complete coverage for one low, up-front price.**
- □ **Coverage is transferable.**

Service is performed by our nationwide network of conveniently located Factory or Local Authorized Servicenters.

**ACT NOW:**

Just complete the attached postage paid postcard and drop it in the mail. We will contact you promptly with more information about the Customer Care Plan.

**OR CALL:** **1-800-637-2007**

OFFERED AND ADMINISTERED BY:
Customer Care Plan Administration
PANASONIC SERVICES COMPANY
1703 N. Randall Road
Elgin, IL 60123-9964

*Certain restrictions apply: 1) Offered only in the United States with the exception of Florida; 2) Applications for coverage are subject to final acceptance by our company.*

# PRODUCT INFORMATION CARD

I OWN A: □ **Panasonic** □ **Quasar** □ **Technics**

| Model No. | Date of Purchase |
|---|---|
| Serial No. | |

**Yes!** I would like more information regarding the "Early Bird" discount offer for the manufacturers extended service plan. I understand that you will promptly contact me with more information

(Please Print)

Name _____

Address _____ Apt. _____

City _____ State _____ Zip _____

( ) _____ _____A.M. _____P.M.
Phone Best time to call

6-00

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IF MAILED
IN THE
UNITED STATES

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POSTAGE WILL BE PAID BY ADDRESSEE

Panasonic Quasar Technics
CUSTOMER CARE PLAN ADMINISTRATION
PANASONIC SERVICES COMPANY
1703 N. RANDALL RD
ELGIN IL 60123-9964

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USA ONLY

An extended service plan that assures continued top performance of your electronic product after the factory warranty has expired!

*USE THE CONVENIENCE OF OUR TOLL-FREE CUSTOMER CARE PLAN HOTLINE:*

## 1-800-637-2007

## RESPOND PROMPTLY AND RECEIVE AN "EARLY BIRD" DISCOUNT!

## TOMORROW'S SERVICE AT TODAY'S PRICES!

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IN THE
UNITED STATES

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POSTAGE WILL BE PAID BY ADDRESSEE

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